

INFORMATION BROCHURE -2026

Common Entrance Test (CET)

FOR

ADMISSION TO B. PHARMACY & D. PHARMACY COURSES

IN

**VARIOUS GOVERNMENT AND PRIVATE COLLEGES OF THE
J&K UNION TERRITORY**



**THE JAMMU AND KASHMIR
BOARD OF PROFESSIONAL ENTRANCE EXAMINATIONS**

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**THE JAMMU AND KASHMIR
BOARD OF PROFESSIONAL ENTRANCE EXAMINATIONS**

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MESSAGE

I am delighted to announce the initiation of the selection process for Pharmacy Courses for the current year by the J&K Board of Professional Entrance Examination (BOPEE). The test design for selection aims at assessing the competence of the candidates for undergoing the professional training for Pharmacy course for becoming good Pharmacists. This course is, therefore, of great significance as it prepares the candidates for nation building. A fair and transparent selection process based on merit shall facilitate selection of the right candidate as Pharmacists for progress of the nation and achieving the excellence in giving good services to its people.



I thank all the officers and staff members of BOPEE who have put sustainable efforts in preparation of this booklet and the entire selection process.

I wish all the best to the aspiring candidates.

Prof. Minu Mahajan
Chairperson

MESSAGE

Dear Students,
Warm greetings to you!

Education is a beacon that lights up the path to a brighter future. It empowers us with knowledge, nurtures our curiosity and shapes the leaders and thinkers of tomorrow. Education is not merely an act of acquiring knowledge but learning a skill to lead life and form one's personality. BOPEE is mandated to conduct Entrance Examinations and hold Counsellings for allotment of seats for various Professional Courses in Professional Colleges/Institutes of UT of J&K and Ladakh.



Dear Students, we invite you to explore the opportunities available through BOPEE. Our mission is to provide a fair, transparent and merit-based selection process for admission to various professional courses viz. Medical, Engineering, B.Ed, Paramedical and Nursing Courses etc.

The vision of BOPEE is to ensure the equitable access to quality education and foster excellence across all professional institutions, irrespective of their public or private status. This is achieved through rigorous standards, merit-based admissions, transparency and strategic partnerships. To achieve its vision the mission of the Board is to implement effective policies and initiatives that promote excellence and equity in professional education.

In order to enhance the transparency in the functioning of the BOPEE and the confidence of the public in general and the candidates in particular, all notifications and information with regard to the entrance examinations, results, information brochure and seat matrix are uploaded on the official website of BOPEE viz. www.jkbopee.gov.in. From the current session i.e 2026-26, the BOPEE in collaboration with NIC, J&K has resolved to have end to end solutions for online counsellings for all rounds and for all professional courses. This proactive approach provides candidates with sufficient time to prepare for entrance examinations and participate in the counselling process and helps aspirants to plan their academic journey accordingly.

My dear young friends – Always Keep in Mind, Education is Life-Long Endeavour. It is a continuous process of growth and self improvement. Approach each day with an open Mind, embrace challenges as opportunities for growth and let your thirst for knowledge guide you towards a future of endless possibilities.

Success comes to those who work hard and stays with those who do not rest on last laurels.

Wish You Best of Luck!

*Prof. (Dr.) Surinder Kumar
Member,
J&K BOPEE*

MESSAGE

It gives me immense pleasure to share with the aspirants and other stakeholders that Jammu and Kashmir Board of Professional Entrance Examinations is bringing out an e-Brochure for admission to various Professional Courses in Government and Private Colleges/Institutions of Union Territory of Jammu and Kashmir for the year 2026-26. The brochure has been revised and detailed information/instructions have been provided for information of candidates and other stake holders.



J&K BOPEE shall continue to ensure transparency in examinations and admission processes through a digitally driven technology and shall take every step to be fair to everyone and to be seen as such.

It is my fervent hope that the brochure shall be extremely beneficial in guiding the aspirants/candidates with regard to examination and admission process for various professional courses for the year 2026-2026.

Dr. Bashir Ahmad Lone, JKAS(Retd.)
Member, J&K BOPEE

MESSAGE

Dear Aspirants,



It gives me immense pleasure to extend my heartfelt greetings and best wishes to all the students aspiring to pursue professional education through the Jammu & Kashmir Board of Professional Entrance Examinations (BOPEE). This phase of your academic journey is a crucial stepping stone toward a bright and successful future, and I commend each one of you for your hard work, dedication, and perseverance.

Education is the key to empowerment, and professional courses open doors to vast opportunities in various fields. The journey towards securing admission into your desired course may be challenging, but with focus, determination, and sincere efforts, success will undoubtedly be yours. The competition may be tough, but always remember that true success is not just about securing a seat but also about acquiring knowledge, skills, and a strong foundation for your career.

At J&K BOPEE, we are committed to ensuring a fair, transparent, and merit-based selection process. Our aim is to provide every deserving candidate with an equal opportunity to fulfill their aspirations. We strive to uphold the highest standards of integrity and efficiency in conducting entrance examinations and facilitating admissions to professional courses.

As you prepare for your exams, I urge you to stay motivated, believe in your abilities, and give your best effort. Challenges and setbacks may come your way, but resilience and hard work will help you to overcome these. Success is not defined by one exam or one result—it is a continuous journey of learning and self-improvement.

I extend my best wishes to you all for your entrance examinations and future academic pursuits. May you achieve great heights and make your families, society, and our Union Territory proud.

Wishing you all the very best for a bright and prosperous future!

With Warm Regards and Best Wishes

Dr. Shabir Hussain Keen, (JKAS)
Secretary, J&K BOPEE

MESSAGE

The J&K BOPEE is an organisation entrusted with the responsibility of conducting the Entrance Tests for various Professional Courses including Common Entrance Test (CET) for Pharmacy courses in Govt./Pvt. Institutes in J&K. The Board is conducting CET - 2026 for Pharmacy (both Degree & Diploma) Courses **tentatively on 31-05-2026** and filling up of online application forms will start from **30-04-2026**.



The 21st century is an era of technology and there is a great demand of technically trained youth in the UTs and country. The major Key to the nation's prosperity and security can be its leadership in technology and innovation and thus demands for skilled life training to Pharmacists students. In the global market, only the best Pharmacy education and educators can produce next generation technology driven society. The true importance in Pharmacy education can be measured from the changes and success we have seen globally. In other words, engineers secure the faith of growing economy. I offer my good wishes to the candidates for choosing Pharmacy as career in their life.

I would advise the candidates to remain in touch with the BOPEE website and should go through the e-Information Brochure CET. Pharmacy – 2026 for information regarding online filling up of application forms and preferences, various Government and Private Pharmacy Colleges of UT of J&K and their intake capacity/fee Structure (tentative) in different Pharmacy courses, reservation policy, (tentative) schedule of counselling, format of category certificates, etc. In case of any query/help, they can write to BOPEE at helpdeskjakbopee@gmail.com. The Board will welcome suggestions from the candidates for their facilitation.

I wish you success in choosing Pharmacy as career.

(Prof. Gurvinder Raj Verma)
Controller of Examinations
J&K BOPEE

INFORMATION AT A GLANCE

Schedule of CET (B. Pharmacy)/Counselling – 2026

S.No.	Description	Date (Tentative)
1.	Date of fillingup of application forms	To be notified separately
2.	Last date of fillingup of application forms	To be notified separately
3.	Downloading of Admit Cards	To be notified separatly
4.	Date of conduct of examination	31-05-2026(Tentatively)
5.	Declaration of result	To be notified separatly
6.	Declaration / Uploading of Answer Key	By 6.00 PM of day of conduct of CET Examination or upto 12 Noon next day.
7.	Representation against key	Upto 3 days after the conduct of CET Examination.
8.	Counselling Schedule	Shall be notified seperately
9.	Completion of the admission process	By or before last date fixed by AICTE from time to time.

CONTENTS

S.No.	Description	Page No.
1.	Introduction	11
2.	Terms and Expressions	11-12
3.	General Information and Instructions	13-14
4.	Eligibility for Admission	14-15
5.	Reservation Policy	15-20
6.	Fee Structure (Tentative)	20
7.	Application Form	20-25
8.	Admit Card	25
9.	Conduct of Entrance Examination	26-28
10.	Time Schedule for Candidates in the Examination Hall	28-29
11.	Syllabus	29-43
12.	Determination of Merit	43-44
13.	Declaration of Result	44
14.	General & Technical Instructions for filing up of online preference form/Selection Process	44
15.	Prohibition/Ban on Ragging	44-45
16.	Institutions with Courses and Tentative Intake Capacity	45-48
17.	List of Annexure	49-56

ANNEXURES

Annexure-I Competent Authorities for Issuance of Reserved Category Certificates

Annexure-II Sample of OMR Answer Sheet

Annexure-III Sample of Counselling Form

Annexure-IV Certificate of being a Child of Defence Personnel(as per S.O. 277 dated 13-08-2021)

Annexure-V Certificate of being a Child of Paramilitary Force/ Police Personnel (In-Service)

Annexure-VI Certificate of being a Child of Paramilitary Force/ Police Personnel (Retired Personnel)

Annexure-V11 Tuition Fee Wavier (TFW) Certificate

Annexure-V111 EWS certificate as per SRO-518 of 2019

IMPORTANT NOTES:

- (i) The candidates, in their own interest, are advised to go through the Information Brochure before filling up of Online Application Forms. Board shall not be responsible for any act of omission or commission in filling up of the Online Application Form by the candidate. It shall be presumed that the candidate has gone through the information contained in the Information Brochure and has agreed to follow the conditions contained therein. No candidate can claim any alteration in conditions which have been incorporated in the Information Brochure and notified in advance.*
- (ii) The candidates are further advised to remain in touch with the BOPEE website www.jkbopee.gov.in. The Board does not undertake any responsibility for any delay caused in publication of Notices/Notifications in the Print Media (newspapers) as delay, if any, in such publication(s) is not within the control of the Board, notwithstanding that the Board notifies the same on the official website and send these for publication simultaneously on the date of issue of the said notifications/notices etc.*
- (iii) Subject to availability of logistics, the Board may conduct online examination, if so decided by the Board, otherwise the examination shall be conducted in the offline mode.*

1. INTRODUCTION:

The Jammu and Kashmir Board of Professional Entrance Examinations (BOPEE) was established by an Act of the State Legislature (Act No. XXV of 2002). Under the Act, the Board is entrusted with the task of conducting entrance examinations and recommending selection of candidates for admission to various professional courses in the UT of Jammu and Kashmir. These Programmes, inter-alia, include Pharmacy Courses.

For the academic year 2026, the BOPEE shall recommend candidates for admission to the first semester of various full time both B-Pharma & D-Pharma either through Entrance Test or on the basis of academic merit of qualifying examination of the candidates depending upon the number of applications received. **If the applications for admission are more in number than the seats available, the admission shall be recommended through Common Entrance Test , otherwise selection will be made on the basis of the merit scored by the candidate in the qualifying examination.** The Entrance Test shall be conducted in accordance with the provisions of the J&K Board of Professional Entrance Examinations Act and Rules, Jammu and Kashmir Reservation Act, 2004 and the Rules/Regulations made there under and all other relevant rules, orders, notifications and directions issued/to be issued by the Government of Jammu and Kashmir from time to time concerning technical education. As of now, first priority is to conduct the written test, presuming that the number of candidates will be large, on the basis of past experience.

2. TERMS AND EXPRESSIONS:

Certain terms and expressions used in the Information Brochure have specific importance unless, of course, the context otherwise specifies. For the benefit of the candidates, these terms and expressions are briefly defined hereunder:-

- ❖ **Act:** means J&K Board of Professional Entrance Examinations, 2002;
- ❖ **Advertisement Notification:** means the notification issued by the BOPEE for inviting online applications from eligible candidates for appearing in the Common Entrance Test;
- ❖ **Application Form:** means the online Application Form available on the official website of the BOPEE to be submitted by the eligible candidates for appearing in the Entrance Test for Pharmacy Courses;
- ❖ **Available Seats:** means the seats against which admissions for B-Pharma & D-Pharma. Courses are ordered by the Government of Jammu & Kashmir;
- ❖ **Eligible Candidate:** means a candidate who fulfils the requirements of eligibility as prescribed by the Government of J&K/BOPEE as per rules;
- ❖ **Incomplete Form:** means the Application Form which is wrongly filled in or contains false information of any kind or not having required and /or valid certificates or has any other deficiency and discrepancy whatsoever;
- ❖ **Late Receipt:** means the date after the last date fixed for submission of Online Application Form meant for Pharmacy Courses and notified in the admission notification;
- ❖ **Admit Card:** means online admit card issued to the eligible candidates indicating Name, Roll No and name of the test centre etc.;

- ❖ **Common Entrance Test:** means Common Entrance Test as may be conducted by the BOPEE for selection of candidates for courses/colleges;
- ❖ **Competent Authority:** means such authority which is competent under law to issue certificates/or issue such other directions as may be necessary for the conduct of the examination;
- ❖ **Merit List:** means the list of candidates, who appear in the Entrance Test, drawn up in the descending order of inter-se-merit;
- ❖ **Private Institutes:** means the Institutions/Colleges established and/or administered by offering these professional courses and duly recognized by the Government of Jammu and Kashmir and other regulatory bodies;
- ❖ **Qualifying Examination:** means the examination on the basis of which candidates become eligible to appear in the Common Entrance Test;
- ❖ **Regulations:** means the Jammu and Kashmir Board of Professional Entrance Examination Regulations-2016,
- ❖ **Rules:** means the Jammu and Kashmir Board of Professional Entrance Examination Rules-2014.

ABBREVIATIONS USED:

- ❖ **BOPEE:** means Board of Professional Entrance Examinations;
- ❖ **CET:** means Common Entrance Test;
- ❖ **NOC:** means No Objection Certificate;
- ❖ **DA:** means Designated Authority;
- ❖ **COE:** means Controller of Examinations;
- ❖ **OM:** means Open Merit candidates;
- ❖ **SC:** means Scheduled Caste candidates;
- ❖ **ST:** means Scheduled Tribe candidates with ST1 & ST2 as mentioned in S.O 176 dated 15-03-2026;
- ❖ **RBA:** means Resident of Backward Area;
- ❖ **ALC/IB:** means Actual Line of Control/International Border;
- ❖ **OSC:** means Other Social Castes;
- ❖ **CDP:** means Children of Defence Personnel;
- ❖ **PSP:** means Pahari Speaking People;
- ❖ **JKPMF/PP:** means Children of Paramilitary Forces/UT Police Personnel;
- ❖ **MSQE:** means Marks Scored in Qualifying Examination;
- ❖ **RCC:** means Reserved Category Certificate;
- ❖ **DOB:** means Date of Birth;
- ❖ **SNA:** means Seat Not Available;
- ❖ **CNA:** means Choice Not Available;
- ❖ **TFW:** means Tuition Fee Waiver;
- ❖ **OMR:** means Optical Mark Reader.

3. GENERAL INFORMATION & INSTRUCTIONS:

It is expected that the candidates shall be sincere, honest and behave responsibly while appearing in the Common Entrance Test and shall not resort to any unfair/fraudulent means or impersonation in the examination. In case a candidate is found resorting to any such act, criminal proceedings shall be initiated against him/her including his/her abettors/facilitators, besides debarring him / her permanently from appearing in the Common Entrance Test in future.

- ❖ The candidates seeking admission to Entrance Test are required to:
 - go through e- Information Brochure carefully and acquaint themselves with all the requirements;
 - satisfy the prescribed eligibility conditions; and
 - submit online Application Form available on the official website of the BOPEE within the prescribed date.;
- ❖ The candidates applying for admission will be required to appear in the Common Entrance Test at their own expenses;
- ❖ **The recommendation for selection of the candidates in all the categories shall be subjected to production of all the relevant certificates in original by the candidates and the genuineness of the same by the College;**
- ❖ **The Board can verify the original documents at any stage of counselling/admission process. If the original and valid documents are not found as per the prescribed eligibility, the candidature can be cancelled at any stage of admission.**
- ❖ No intimation, whatsoever, about non-selection will be sent individually and no correspondence in this regard shall be entertained. The result will also be available on the official website of BOPEE: www.jkbopee.gov.in .
- ❖ The selection made by the BOPEE to these professional courses shall be provisional till final determination of eligibility of the candidates by the concerned Board/ College;
- ❖ **The BOPEE shall have power to review the provisional selection list at any time, notwithstanding the fact that the selected candidate has completed his/her admission formalities, where any bonafide error, lapse, mistake, fraud, cheating, misrepresentation, misinterpretation, impersonation or glaring injustice is brought to its notice which has resulted in the inclusion of the candidate in the selection list. Mere selection in the list does not confer any right to admission of the candidate, if he/she is otherwise found ineligible;**
- ❖ **Complaints against certificates, including those of reserved categories, will not be entertained as the BOPEE is neither an appellate authority nor an investigating agency;**
- ❖ **Permission of candidates to appear in Entrance Test shall be provisional on the basis of the entries in the Application Form, subject to their eligibility prescribed for the course.**
- ❖ The answer key will be displayed/uploaded on the BOPEE website in the evening before 6:00 PM on the conclusion of the Entrance Test or up to 12.00 noon next day and will remain there for three days and thereafter will be removed. The candidates, who have any complaint against any answer of a question in the Question Paper are free to make written representation with a fee of **Rs. 1000/-** paid at POS Machine in BOPEE office Srinagar/Jammu supported by documentary proof of standard text Books on the prescribed format available on the official website and in the BOPEE office at Srinagar/Jammu, which should reach in the office (Srinagar/Jammu) within three working days, after the Key is made available and thereafter no representation will be entertained/accepted;

- ❖ The Answer Key will be got re-examined by the BOPEE on the basis of the representations so received and the revised key, if any, will be final and no complaint will be then entertained regarding the revised key. The revised Key will be uploaded on the website of the BOPEE. The revised Answer Key, if any, will be applied to Answer Sheets of all the candidates, no matter whether they have made such representations or not;
- ❖ OMR Answer Sheets of candidates are machine graded and scanned / scrutinized and double checked with extreme care. As such, there shall be no re-evaluation/ rechecking of OMR Answer Sheets. No correspondence in this regard shall be entertained;
- ❖ Re- Totalling of marks will be allowed on written request along with Payment Receipt of **Rs. 1000/-** per subject paid at POS Machine in BOPEE Office at Jammu / Srinagar. The application will be accepted within 3 days, after the declaration of result. Any application received after the stipulated time will not be entertained.

4. ELIGIBILITY FOR ADMISSION:

The candidates applying for admission to B-Pharma & D-Pharma Courses must fulfil the following eligibility conditions namely:

A. Eligibility for B-Pharmacy Course:

The candidates applying for admission to B-Pharmacy Course must fulfill the following eligibility criteria;

A candidate must:

- (i) be a domicile of UT of J&K/UT of Ladakh as the case may be (For Candidates belonging to UT of Ladakh, ST certificate issued by Competent Authority of Ladakh shall be treated as Domicile certificate);
- (ii) be at least 17 years old on 31st December 2026.
- (iii) shall have passed 10+2 examination conducted by the respective state/central government authorities recognized as equivalent to 10+2 examination by the Association of Indian Universities (AIU) with English as one of the subjects and Physics, Chemistry, Mathematics / Biology as optional subjects individually.
- (iv) Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.
- (v) However, the candidates appearing / appeared in 10+2 (12th Class) examination 2026 can also apply, provided such candidates have to produce the qualifying examination certificate at the time of admission, otherwise their candidature shall and shall be deemed to have been cancelled ***ab-initio***.

B. Eligibility for B-Pharmacy (Lateral Entry) Course:

- i. be a domicile of UT of J&K/UT of Ladakh as the case may be (For Candidates belonging to UT of Ladakh, ST certificate issued by Competent authority of Ladakh shall be treated as Domicile certificate);

- ii. has passed D- Pharmacy Course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act.

C. Eligibility for D-Pharmacy Courses:

The candidates applying for admission to D-Pharmacy Course must fulfil the following eligibility criteria;

A candidate must:

- (i) be a domicile of UT of J&K/UT of Ladakh as the case may be (For Candidates belonging to UT of Ladakh, ST certificate issued by Competent authority of Ladakh shall be treated as Domicile certificate);
- (ii) have passed 10+2 or equivalent examination from a recognized Board / University with Science subject viz Physics, Chemistry, Biology (PCB) or Physics, Chemistry and Mathematics (PCM) and English securing minimum 40% marks in aggregate for Open Merit candidates and minimum 35% for Reserve Category candidates in the qualifying examination;
- (iii) be medically fit.
- (iv) However, the candidates appearing / appeared in 10+2 (12th Class) examination 2026 can also apply, provided such candidates have to produce the qualifying examination certificate at the time of admission, otherwise their candidature shall be cancelled ***ab-intitio***.

5. RESERVATION POLICY:

The following reservation Policy shall be implemented as per S.O 69 of 28-02-2020, S.O. 249 dated 23-08-2021, S.O 277 dated 13-08-2021, S.O. 176 dated 15-03-2024 read with S.O 305 dated 21-05-2024 of seats in the Government/Private B.Pharm and D-Pharm Courses:

S. No.	Categories	Reservation in %age
Reserved Categories:-		
i)	Scheduled Caste (SC)	8%
ii)	Scheduled Tribes (ST)	20%
i)	1. Bakarwal 2. Balti 3. Beda 4. Bot, Boto 5. Brokpa, Drokpa, Dard, Shin 6. Changpa 7. Garra 8. Gaddi 9. Gujjar 10. Mon 11. Purigpa 12. Sippi; (existing list as per the Constitution (Jammu and Kashmir) Scheduled Tribes Order, 1989 and the Constitution (Scheduled Tribes) Order (Amendment) Act, 1991	10%

ii) 1.Gadda Brahmin 2. Koli 3. Paddari Tribe 4. Pahari Ethnic Group; (added vide the Constitution (Jammu and Kashmir) Scheduled Tribes Order (Amendment) Act, 2026			10%
iii) Socially and Educationally Backward Classes(other than Scheduled Castes and Scheduled Tribes:			
(a) Other Backward Classes;			8%
(b) Residents of areas adjoining line of Actual Control(ALC)/International Border (IB);			4%
(c) Residents of Backward Area			10%
iv) *Economically Weaker Section			10%
v) Persons with Disabilities	4%	(Horizontal Reservation)	
(a) Children of Defence Personnel	3%		
(b) **Children of Para-military forces and UT Police Personnel	1%		
(c) Candidates possessing outstanding proficiency in sports	2%		

****The allotment of CDP seats shall be purely on the basis of priority fixed and as per S.O. 277 dated 13.08.2021).**

- ❖ A candidate seeking admission under a reserved category as **specified under SRO 294 of 2005 , SRO 518 of 2019, S.O. 277 dated 13-08-2021, S.O. 176 dated 15-03-2026 read with S.O 305 dated 21-05-2024 or** as amended from time to time by UT Govt. of J&K, is required to upload copy of the relevant certificates issued by the designated authority along with the online Application Form **(Annexure-I).**

- ❖ A candidate claiming benefit under sports category must mention his/her sports category while filling up of online application Form and must submit copies of their sports certificates in the office of the Secretary, J&K Sports Council for sports points well before the last date fixed by the J&K Sports Council as notified by them. For the purpose of determining the merit of sports category candidate, 60% and 40% weightage shall be given to the merit obtained in the qualifying examination or entrance test, (if conducted by Board) and sports points respectively or **any amended criterion fixed by UT Govt. of J&K from time to time**. The Board shall not be held responsible, if any candidates applying under sports category, fails to submit sports documents at the J&K Sports council within time fixed by them, otherwise the candidature of such candidates shall be considered under Open Merit Category only.
- ❖ Reserved category certificate in the name of the applicant duly issued by the Competent Authority (**Annexure-I**) shall have to be uploaded with the Online Application Form;
- ❖ All the sanctioned seats in the Government and Private Pharmacy Colleges/Institutes shall be filled on the recommendation of the BOPEE only through common counselling process.

For B.Pharmacy course, TFW seats in every College and in each course are reserved for those open merit candidates whose annual income of the family from all sources is less than Rs. 4.50 lac or likely to change as & when notified by UT of J&K.

Note: The above reservation policy is subject to change as & when notified from UT Govt. of J&K from time to time.

- ❖ The provisions of reservation under SRO-294 are not applicable for admissions in Private Pharmacy Colleges. However benefit of reservation in Government Pharmacy Colleges shall be available only if **the category to which a candidate belongs is mentioned in the Online Application Form. Request at any stage for change or inclusion of category shall not be entertained;**
- ❖ All the sanctioned seats in the Government and Private Pharmacy Colleges shall be filled on the recommendations of the BOPEE
- ❖ **Reservation for candidates for admission to various Professional Courses:**
 - The reservation of candidates for admission shall be applicable only in Government-run Colleges as notified by the Government from time to time, unless otherwise prescribed specifically or notified for any private College.
 - The percentage of seats to be allotted to each category shall be such as notified by the Government from time to time.
 - The benefit of reservation shall be available to the concerned candidate only if the photo copy of the valid category certificate is uploaded with On-line Application Form.
 - Where a category certificate has not been issued by the designated authority, the candidate shall not be given an opportunity to validate it after the expiry of the last date for submission of the Application Form.
 - **No notice shall be given to a candidate whose category certificate has been found invalid by the BOPEE and such a candidate shall be considered in open merit, if found otherwise eligible.**
 - **The category certificate issued after the expiry of the last date for submission of online Application Form shall in no case be accepted.**
 - No under process certificate shall be accepted/ entertained at any cost. It includes under process certificate for the renewal of category certificate.

- The category certificate must be valid at the time of submission of online Application Form as well as at the time of admission. Where a candidate has valid category certificate at the time of submission of the form but its validity period is to expire before the date of counselling, such candidate shall get his certificate renewed by or before the date of counselling/admission, otherwise he/she will not get benefit of the category. The date of counselling shall mean the last date for filling up of online preference forms and such candidates, who have renewed their certificate shall have to inform the Board in person along with a copy of the certificate so renewed.
 - If a candidate fails to upload reserved category certificate during the online Application Form, his/her application will be considered under Open Merit category, if found otherwise eligible.
 - A candidate can apply/opt for one reserved category only and choice regarding reserved category once exercised shall be final and at no stage shall allowed to be changed. If any candidate has filled wrong category during his/her online application form & if he/she is provisionally selected against the wrongly filled category, his candidature shall be automatically cancelled during the verification of documents at the time of admission in the respective colleges where he/she is provisionally selected or unless & until rectified by the Board after seeking representation from the candidate before issuance of selection list.
 - A candidate will be considered only for one reserved category for selection against the seats reserved for that category even if he/she is eligible to be considered for seats available in more than one category.
 - The BOPEE shall follow a rotational policy of odd / fractional seats of contiguous categories by clubbing them together to make it a whole number seat which shall be allotted to the candidate of the clubbed categories by following rotational policy between male and female candidates where such reservation is provided under rules and shall be allotted to higher rank candidate.
 - The BOPEE shall try as far as possible to incorporate the seat matrix in the Brochure for each course in the year in which admission is made.
- ❖ **Competent Authority to Issue Certificate :**
- Authorities competent for issuing reserved category certificates shall be such as notified by the Government from time to time. Provided that in the case of Children of Defence Personnel other than core service, a candidate having a certificate that his/her father is working in Defence Establishment (Military Pharmacy Service or other service of like nature) where salary is paid out from Defence Estimates is not entitled to the benefit of CDP Category.
 - The candidates applying under CDP category are advised to upload CDP Priority certificate issued by the Designated Authority as the seats under CDP category shall be allotted on the basis of their inter-se Priorities only. The allotment of CDP seats shall be purely on the basis of priority fixed as per S.O. 277 dated 13-08-2021.
 - Where any category certificate is wrongly accepted and the candidate gets admission on the basis of this certificate, the admission of such candidate will be cancelled as and when this mistake comes to the knowledge of BOPEE or brought

to its notice by any candidate/college, or during the process of verification of documents at the time of admission in the respective college where he/she is provisionally selected, if any;

- Provided further that the candidates having “Outstanding Proficiency in Sports” must submit their certificates to the Secretary, J&K Sports Council for awarding points which will be then officially forwarded to the BOPEE by the Sports Council. The BOPEE shall not be responsible, where a candidate fails to submit certificates to the Council or Council fails to forward the points of a candidate to the BOPEE. It shall be the sole responsibility of the candidate to ensure that his/her sports points are forwarded by the Council to the BOPEE.
- The Children of serving BSF, CRPF, ITBP and CISF do not fall under CDP category but fall under the category of JKPM/PP. The candidates claiming benefit of any of these categories must ensure under which category they fall and should enter the category details. **The allotment of CDP seats shall be purely on the basis of priority fixed as per S.O. 277 dated 13-08-2021.**
- The category candidates should ensure that their reserved category certificate is issued by the designated competent authority and is uploaded with the Online Application Form strictly in accordance with the Guidelines given in the E-Brochure. All the category certificates issued/dated after October, 2005 must be issued under SRO- 294 of 2005, S.O 176 dated 15-03-2024 or as amended from time to time. The certificates issued under earlier SRO will be accepted only if they are dated prior to October, 2005. The candidates should insist on the certificate issuing authority to make mention of SRO- 294 in their certificates if they are issued after October, 2005.
- **Where a category certificate has not been issued by the designated competent authority, the candidate will not be given an opportunity to validate it after the expiry of the last date for submission of the online Application Form. No notice will be given to a candidate whose category certificate has been found invalid by the BOPEE and such a candidate will be considered in open merit, if found otherwise eligible.**
- **The certificate issued after the last date for submission of Application Form is over, will not be accepted.**
- If a candidate feels aggrieved by the decisions of the BOPEE regarding distribution or clubbing together of fractional seats of reserved categories, he/she is free to make representation to the Secretary of BOPEE on any working day within one month from the date of issuance of Advertisement Notice . Thereafter, no such representation will be entertained.
- The information furnished by the applicant in the online Application Form shall be deemed to have been given by him/her.
- **It has been observed that students often get confused with ‘SC’ and ‘OSC’ reserved categories. It is hereby made clear that ‘SC’ stands for Scheduled Caste category and ‘OSC’ stands for Other Social Castes.**
- **Any Wrong information filled by the candidate on its own during online filling up of his application form, his/her candidature shall be liable to be rejected without**

any further notice to that candidate or seat, if allotted on the basis of wrong credentials filled by the candidate during online application form, shall be likely to be cancelled, if on verifying documents by the respective college, where he/she is provisionally selected. *So candidates are advised to fill online application form correctly & take out print of it. For correction, if any, visit BOPEE office Jammu/Srinagar physically during working hours before issuance of Provisional Merit List.*

6. FEE STRUCTURE (Tentative):

The fee structure has not been furnished by the respective College authorities and the BOPEE is not in any way associated with it and has, therefore, no responsibility, if the fee is raised subsequently. The candidates are advised to enquire, in their own interest, the actual fee to be charged, from the College authorities, before filling up of online application form.

7. APPLICATION FORM:

- ❖ The Application Forms have to be **submitted online only** through the BOPEE website www.jkbopee.gov.in (through URL's/ links provided for this purpose) within the prescribed date to be notified separately. The payment of Rs. **1000/- (Rupees one thousand hundred only)** only as fee is to be made online through "Integrated Payment Gateway" with the help of any National Credit Card/Debit Card/facility. The procedures for filing up of Application Form and eligibility etc. of the candidates have been given in detail in the e-information Brochure. The students must necessarily, in their own interest, go through this information Brochure before attempting to fill up the online Application Form. **The candidates can download admission notification, Brochure, instructions, Admit Card and all other relevant information from the official website of the BOPEE at any Common Service Centres of J&K at nominal charges.**
- ❖ The applicants are advised to fill the online Application Forms on their own or through a responsible person. The applicants can also contact the **"Help Desk"** of I.T. Section of BOPEE on 9419403272/9622366360/9419434133/9469012295 for any assistance/guidance in this regard on any working day within the last date prescribed for submitting of Online Application Form.
- ❖ **Submission of Online Application Forms:**
 - The candidates (Both Open merit and Reserved Category) have to submit **Online Application Forms only** within the last date prescribed in the admission notification,
 - The candidates can change/ modify their online Application Form at any time before they submit it. Once the form is submitted, the entries made therein cannot be changed. It is in the interest of the candidate to make double check before submitting the online Application Form. They are advised, in their own interest, not to share their login details with anybody, lest he/she may get an opportunity to change important details in the Application Form. They can check the status of their Application Form on the official website of the BOPEE. If any form is not confirmed for want of required information, the candidate concerned must report in the BOPEE office by or before the stipulated date fixed for this purpose in the admission notification, failing which his/her Application Form shall be rejected.

- ❖ **The online Application Form has to be submitted as follows:-**

NAME OF THE CANDIDATE (sample)

V	A	R	I	N	D	E	R		S	H	A	R	M	A
---	---	---	---	---	---	---	---	--	---	---	---	---	---	---

FATHER'S NAME

T		R		S	H	A	R	M	A
---	--	---	--	---	---	---	---	---	---

- ❖ Enter the date, month and year of birth as per English Calendar as recorded in the Matriculation Certificate. Use numerals 01 to 12 for the month, 01 to 31 for the date, and last fourdigits for the year.

23rd of November, 1998

2	3	1	1	1	9	9	8
---	---	---	---	---	---	---	---

20th of February, 1999

2	0	0	2	1	9	9	9
---	---	---	---	---	---	---	---

- ❖ A candidate will be considered for selection under one reserved category only, even if he/she has more than one reserved category certificate and the category that will be considered will be the one chosen at relevant Serial No. of the Application Form. For example, if an applicant is a ward of a Police personnel and also hails from a Backward Area and belongs to Scheduled Caste too and he/she indicates 'SC' at the relevant Serial No. of the Application Form, the candidate shall be considered for selection against the available seat for Scheduled Caste category only and he/she will not be considered under any other category.

- ❖ At no stage the category option once exercised in the Application Form will be changed.

- ❖ **Certificates to be Produced /Uploaded:**

- ❖ The candidates have to upload the following original scanned documents with their online Application Form:-

- certificate of residence proof of domicile UT of J&K or Ladakh as the case may be;
- marks certificate of the qualifying examination issued by the concerned Board;
- matriculation or equivalent examination certificate indicating Date of Birth issued by the respective Boards of School Education;

- ❖ the category candidates claiming benefit of any reserved category including, JKPM, CDP and TFW have to upload copy of their category certificate along with Online Application Form within the prescribed last date.

- ❖ **Photo/Signature/Thumb Impression:**

- The candidates have to upload a recent Photo, Scanned copy of the Signature and Thumb Impression also.

- ❖ **Instruction for uploading Photographs/Thumb Impression/Signature:**

- ❖ Candidates must also follow the following instructions:

- Please ensure that the photograph is taken in a light coloured background;
- The photograph/signature/thumb-impression images to be uploaded in JPG/JPEG format;
- The maximum size of the photograph/signature/thumb-impression to be from **10- 50 KB**;
- The photograph must be snapped with a placard indicating name of candidate and date of taking photograph. In case name and date are written on the photograph after taking it, the application will be rejected,

Sample Photograph:



Surinder Sharma
01-01-2025

- The name and date on the photograph must be clear and legible & snapped with date as on 01-01-2026.
- ❖ Photograph should be without a cap and goggles. However, spectacles are allowed.

WARNING:

The Candidates are warned not to resort to any unfair/fraudulent means or act of impersonation at the time of Entrance Test or upload any objectionable material including a photo of any object, other than his/her own photograph while submitting the online form. In case, a candidate is found taking recourse to such acts, criminal prosecution shall be initiated against him/her and his/her abettors. He /she shall be permanently debarred from appearing in the Entrance Test in future.

❖ INSTRUCTIONS AND PROCEDURE FOR FILLING UP OF ONLINE APPLICATION FORM:

The applicants are advised to:

1. Fill the Online Common Application Form on their own or through a responsible person in their presence. In case of any difficulty, they may approach the BOPEE offices Jammu / Srinagar along with the original documents with prior telephonic (**Help Line**) appointment.
2. Visit the BOPEE website www.jkbopee.gov.in and click on the link/button “**Click to Apply**” under the heading **Online Applications** and section **Common Entrance Test** on the home page displayed to you.
3. A page with following Examination (CET) specific information will be displayed:
 - i. Year and Month of Applying;
 - ii. Registration Schedule;
 - iii. Important Instructions;
 - iv. instructions for uploading images; (link/URL)
 - v. instructions for uploading documents; (link/URL)
 - vi. steps to fill application form

- i. Click here to fill application; (link/button)
 - ii. Make Payment; (link/button)
 - iii. Upload Documents; (link/button)
 - iv. Print Application Form; (link/button)
- vii. if already applied
 - i. Check Application Status (link/button)
 - ii. Forgot Application No. (link/button)
- 4. Go through the **Registration Schedule** for this examination where start and last date for filling up the online application is given besides for payment of fee & uploading of documents.
- 5. Read the instructions carefully given in the **Important Instructions** section.
- 6. Click on the link **instructions for uploading images** and follow the guidelines for scanning and Uploading of Photograph, Signature and Thumb Impression. It also provides links to compress the images to the desired size for uploading. Desired size of the JPEG images is as under:
 - i. **Photograph** with **nameplate** and **date of taking the photo** with size from **10-50 KB**.
 - ii. **Signature& thumb impression** with size from **10-50 KB**.
- 7. Click on the link **instructions for uploading documents** and follow the guidelines for Scanning your documents (Resident Proof Certificate mentioned above, Date of Birth Certificate, Marks Sheet, Category Certificate and/or any other certificate, if applicable) to PDF files for uploading. It also provides links to compress the pdf document files to the desired size for uploading. Desired size of the below mentioned PDF documents is from **100-200 KB**.
 - a. DomicileCertificate of candidate belonging to UT of J&K or ST Certificate as a domicile certificate for candidate belonging to UT ofLadakh (mandatory for all)
 - b. Date of Birth Certificate (mandatory for all) issued by the Board
 - c. Marks Sheet of the Qualifying Examination (mandatory for all except in whose case result is awaited)
 - d. Reserved Category Certificate (where ever applicable)
- 8. Before actually filling up the online form, please make sure that you have soft copies of the following ready:
 - i. Photograph, Signature and Thumb Impression in JPEG format of Specific size;
 - ii. All scanned documents in PDF format of Specific size and
 - iii. A valid Credit/Debit Card / Net Banking credentials for making online payment.
- 9. Now you are ready to fill the online application form in the following steps:
 - i. Click the link/button **Click here to fill application**, a window will pop up with the important instruction and after reading these instructions click on the **"I have read the instructions"** check box and then click on the **Apply** button.
 - i. A page with all form details will be shown. After filling in the details of the form and uploading your PST, Enter Verification Code in the text box given at the bottom as in the captcha image and then click on the Save Button. After saving your application form, an OTP will be sent on email/Mobile phone. After entering the correct OTP, click on submit button.
 - ii. If information provided by you is incomplete and invalid then the page will display the relevant messages otherwise a page with your submitted details will be shown with options either to verify that your details for correctness or edit and correct the given details.
 - iii. Please note that your registration details are non-editable in normal circumstances once submitted.

- iv. If you want to edit/correct your registration details then click on **Click Hereto edit your registration details** link. You can do the same as many times as you require.
- v. If your registration details are correct then click the **Click Here** link
- vi. An Application No. like (Your Application No:**22000400001**) will be generated and page showing Application submitted Successfully, thank you for registering message and information "A confirmation email has been sent to your e-mail id." will be displayed.
- vii. If you want to make payment at this time then click on **Step 2-Click here to Make Payment** otherwise close this popup window.
- ii. Click on the link/button **Make Payment** a page with some details will be shown. Enter your Application No., Date of Birth and Verification code and then click the Submit button.
 - i. If your details submitted are correct, then a **Pay** button along with the title Make Payment Online will be displayed at the bottom.
 - ii. Clicking on this link/button will display a page with payment procedures and refunds etc. and click on **I have read the Instructions** check box and then click on proceed for payment button.
 - iii. Make payment by any desired mode:
 - 1. Debit Card
 - 2. Credit Card
 - 3. Net Banking
 - iv. After successful payment a Transaction Acknowledgement page with transaction details will be displayed which you can either note down or take a print out of.
 - v. If you want to upload your documents at this time then click on **Step 3-Click here to Upload Document** otherwise close this window.
- iii. Click on the link/button **Upload Documents** a page with some details will be shown/displayed. Enter your Application No., Date of Birth and Verification code and then click the Submit button.
 - i. If your details submitted by you are correct, then a page with different types of documents and choose file buttons will be displayed.
 - ii. Click on each of the **choose file** buttons and choose the correct relevant **pdf** document for each, where ever and if applicable.
 - iii. After choosing these documents click on the check box given at the bottom and provide the verification code in the text box as given in caption image and then click on the upload button.
 - iv. If the documents are of the correct/specific size and type then the documents will be uploaded and links to view and delete these documents, if required, will be displayed.
 - v. Now you can close this window after ascertaining that the correct documents have been uploaded by viewing them.
- iv. Click on the link/button **Print Application Form** a page with the preview of the application form will be displayed with all the submitted details including payment details.
 - i. Click at the print button at the bottom to take a print out of the Application Form.
 - ii. Keep the Printed Application form safely for record and reference.

10. For those who have already applied use the section

i. if already applied

i. To check the status of your application by clicking on the link/button **Check Application Status** a page with some details will be shown. Enter your Application No., Date of Birth and Verification code and then click the Submit button.

1. If your details submitted are correct then following sections will be displayed

a. **Application Status** which shows whether the form has been checked by BOPEE, current status of the application and payment status along with the link to print the E-Receipt is shown.

b. **Documents Uploaded** which shows the documents uploaded, their status and buttons to view or upload the respective documents.

2. After doing so, it is strongly recommended you close the browser window(s).

ii. If at any point of time you forget your application number, click on the link/button **Forgot Application No.** A page with some details will be shown. Select your Examination Type, and enter your Name, Father's Name and Date of Birth and Verification code and then click the Submit button.

1. If your details submitted are correct, then you will be shown your Application No. e.g. **Your Application is : 22000400001**

2. After doing so, it is strongly recommended you close the browser window(s).

Note: For updated instruction (if any), please visit the website www.jakbopee.gov.in and read the updated (if any) Instructions/e-Brochure carefully.

8. ADMIT CARD:

- ❖ No candidate shall be allowed to enter Examination Centre/venue without valid Admit Card in original;
- ❖ Admit card can be downloaded within the prescribed date to be notified by the Board separately. However, mere possession of admit card shall not ipso-facto confer eligibility on a candidate who is otherwise in-eligible to appear in the Common Entrance Test;
- ❖ The Admit Cards will be available online. The candidates are advised to download their Admit Cards from the BOPEE official Website (www.jkbopee.gov.in) on photo paper printed in colour. The candidates will be informed through a separate notification regarding the date for downloading of admit cards. Applicants are, therefore, advised to keep themselves updated with the information on the BOPEE website;
 - ❖ Candidates shall have to preserve their admit cards till the allotment of seats/completion of selection/admission process;
 - ❖ Admit card is an extremely important document. It should not be mutilated, defaced or changed in any manner which makes it doubtful.

9. CONDUCT OF ENTRANCE EXAMINATION (For Both B.Pharm & D.Pharm Courses):

❖ Centres of Examination:

- The Entrance Test shall be held at the centres as may be specified by the Board in the cities of Srinagar and Jammu only;

- Centres shall be allotted by the BOPEE on the basis of centre filled by the candidate during online application form and the information regarding this shall be provided to the candidates on the Admit Cards;
- The Test Centre once allotted shall not be changed under any circumstances;
- The medium of test will be English only;
- The Board shall not conduct another test in any circumstances whatsoever for those candidates who fail to appear in the test on the scheduled date/time.

Nature of Question Paper (For Both B.Pharma & D.Pharma Courses):

- It shall be the sole responsibility of the candidate to check the Question Booklet before attempting to answer any question. Where a Question Booklet has any missing page, blank page, missed question or damaged or defaced page, it shall be the responsibility of the concerned candidate to bring it to the notice of the concerned invigilator and get it replaced by a new Booklet of the same series. The Question Booklet must have 120 questions. No complaint in this regard shall be entertained by the Board after the conclusion of the examination;
- CET shall consist of **Single Paper** with **three sections** comprising of **Physics, Chemistry and Mathematics/Biology** with **120 questions** (60 questions from each section) with time duration of 2:00 hours. The questions shall be multiple choice objective types with one mark each. There will be **0.25 negative marks** for each wrong answer;
- The broad distribution of questions in different subjects shall be:-

Name of the Stream	Number of papers	Subjects	No of Questions	Time Duration
CET (B-Pharmacy & D-Pharmacy) 2026	Single	(i) Physics,	40	2 Hours
		(ii) Chemistry	40	
		(iii) Mathematics/Biology	40	

- The question paper shall be objective type containing multiple choice questions. It contains several pages stapled together in one cover. The questions are based on knowledge, understanding and application of the relevant subject that a student of 11th & 12th standard is expected to possess. All questions are compulsory. There are 0.25 negative marks for every wrong answer.
- The Candidates should not make any type of marking on the Question Booklet. Paper for rough work is included in the Question Booklet.
- Each Question Booklet has four series, which are in alphabets i.e. A, B, C, D printed on the cover page of the Question Booklet. At the end of the Entrance Test, candidates can take the Question Booklets with them.

❖ Nature of OMR Answer Sheet:

- ❖ In order to maintain transparency of examination, candidates are provided OMR (Optical Mark Reader) Answer Sheet having original copy and candidate's copy (**Annexure-II**). The candidates are directed to fold at perforation at the top of sheet,

tear it after the Test is over and separate original copy and candidate's copy. Finally they shall have to handover the original copy to the invigilator and take along with them the candidate's copy;

- ❖ The OMR Answer Sheets are used in order to simplify the procedure of evaluation and also to ensure highest accuracy. Each circle on the OMR Sheet has an alphabetical or numerical value. So a small mistake in shading the round spot on the circle may make a big mistake;
- ❖ The OMR Answer Sheets will be supplied to the candidates in the examination hall;
- ❖ At the top of the OMR Sheet, there are few blanks which are to be filled in carefully;
- ❖ Write Question Booklet Number, Booklet series, and Roll Number in numerical and also darken the appropriate circles;
- ❖ Write the given certification statement in your running handwriting in English and append your signature and left hand thumb impression at the space provided for the purpose on your OMR Sheet. This certificate is to be authenticated by the invigilator and superintendent of the examination centre;
- ❖ Complete the formalities and wait for the signal to start, tear and open the seal of Question Booklet, begin reading and answering the questions;
- ❖ Marking of wrong Roll No. or Question Paper Series or its omission on the OMR Answer Sheet shall be done by the candidate at his/her own risk. The Board shall, in no case, entertain any complaint of the candidate regarding the same;
- ❖ Each question is followed by four responses i.e.1, 2, 3, and 4; of which only one is correct or the most appropriate response. Indicate the correct response by darkening the appropriate circle completely with black or blue ball point pen on the Answer Sheet.

For Example

- | | |
|---------------------------------|--------------------------|
| 1. Theory of Relativity | 2. Photo Electric Effect |
| 3. General Theory of Relativity | 4.Laser |

The correct response is (2). Locate the Question Number in the OMR Answer Sheet and darken the circle under column (2) as shown below:

Ensure that the circle is completely darkened. In complete or faintly darkened circle will be rejected by the Optical Scanner and consequently no marks/negative mark will be awarded for the same.

If more than one circle is darkened or if the response is marked in any other manner as shown at "B, it shall be treated as wrong.

A

10	①	②	③	④
11	①	●	③	④
12	①	②	③	④
13	①	②	③	④

Correct way of answering

B

27	○	●	○	●
28	○	○	●	○
29	○	✓	○	○
30	○	○	×	○
31	●	○	○	○

Incorrect way of answering

❖ Instructions:

Candidates are required to go through the instructions given below carefully:-

- The examination centres will open 35 minutes before the reporting time of the Entrance Test on the day of examination,

- Candidates are expected to be in their seats at the reporting time of the Entrance Test;
- Candidates who do not possess the Admit Cards will not be allowed to sit in the examination hall under any circumstances. This card must be shown on demand;
- No textual material, printed/ handwritten will be allowed in the Examination hall. Candidates are advised not to carry any such material in the examination hall;
- No candidate shall be allowed to enter examination hall for appearing in examination after the distribution of Answer Sheets;
- The candidates are not allowed to bring mobile phones/ calculators / pocket transistors/ electronic watches with facilities of calculator/slide rules, any form of table or any other such aid.
- Tea, coffee, cold drinks or snacks are not allowed in the examination hall during the Entrance Test;
- Smoking in the examination hall is not allowed;
- The candidate must sit in the seat allotted to him/ her;
- In no case a candidate can change his/ her seat;
- No candidate will leave the hall before the expiry of full time prescribed for the Entrance Test and without handing over Answer Sheet to the invigilator on duty;
- No person/ persons other than those authorized by the BOPEE shall be allowed to enter the examination hall;
- Amanuensis will not be allowed,
- The candidate's misbehaviour in any manner in the Examination Hall shall entail him/ her disqualification. Any disturbance in the examination hall shall be deemed as misbehaviour and the candidates shall forfeit the right to continue to sit in the examination hall. The decision of the centre superintendent shall be final.

10. TENTATIVE TIME SCHEDULE FOR THE CANDIDATES IN THE EXAMINATION HALL (Final schedule shall be notified separately):

09:25 AM	Reporting time in the Examination Hall.
09:30 AM	The Invigilator shall ascertain the identity of each candidate by comparing his/her facial appearance with the photograph given in the admit card and attendance sheet. The centre Supervisor shall also check the identity of the candidates and ensure that only the genuine candidates are allowed to sit in the examination hall and there is no case of impersonation.
09:45 AM	Candidates will be given OMR Answer Sheet. They will go through instructions printed and fill in the particulars on the Answer Sheet.
09:55 AM	They will be given Question Booklet. The Question Booklet number is to be entered on the Answer Sheet.
10:00 AM	They will break open the seal of the Question Booklet and start attempting the questions.
12' O Clock	The candidates will remain in their seats. They will hand over the OMR Answer Sheets to the Invigilator, take the question answer booklet and OMR candidate's copy along with them and leave the examination hall only when they are asked to leave.

Note: After distribution of Answer Sheets, no candidate shall be allowed to go out of the examination hall under any circumstances.

11 SYLLABUS:

The entrance test is based on the courses of study and syllabi of 11th&12th class. It is given as under along with broad weightage of each subject in the question paper of the Entrance Test.

Note: The marks distribution given in the syllabus is only illustrative. It will not accrue any right to the candidate, if this distribution of marks is not strictly reflected in the question paper.

Total Marks = 40

PHYSICS

UNIT 1: PHYSICAL WORLD AND MEASUREMENT

(Marks: 02)

Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units. Significant figures. Dimensions of physical quantities, dimensional analysis and its applications.

UNIT 2: KINEMATICS

(Marks: 03)

Motion in a Straight Line

Frame of reference, Motion in a straight line, Elementary concepts of differentiation and integration for describing motion, uniform and non-uniform motion, and instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs. Relations for uniformly accelerated motion (graphical treatment).

Motion in a Plane

Scalar and vector quantities; position and displacement vectors, general vectors and their notations; equality of vectors, multiplication of vectors by a real number; addition and subtraction of vectors, Unit vector; resolution of a vector in a plane, rectangular components, Scalar and Vector product of vectors. Motion in a plane, cases of uniform velocity and uniform acceleration projectile motion, uniform circular motion.

UNIT 3: LAWS OF MOTION

(Marks: 02)

Laws of Motion Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications. Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication. Dynamics of uniform circular motion: Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road).

UNIT 4: WORK, ENERGY AND POWER

(Marks: 02)

Work, Energy and Power

Work done by a constant force and a variable force; kinetic energy, work energy theorem, power. Notion of potential energy, potential energy of a spring, conservative forces: non-conservative forces, motion in a vertical circle; elastic and inelastic collisions in one and two dimensions.

UNIT 5: MOTION OF SYSTEM OF PARTICLES AND RIGID BODY**(Marks: 02)**

System of Particles and Rotational Motion

Centre of mass of a two-particle system, momentum conservation and Centre of mass motion. Centre of mass of a rigid body; centre of mass of a uniform rod. Moment of a force, torque, angular momentum, law of conservation of angular momentum and its applications. Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions. Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation).

UNIT 6: GRAVITATION**(Marks: 02)**

Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity and its variation with altitude and depth. Gravitational potential energy and gravitational potential, escape speed, orbital velocity of a satellite.

UNIT 7: PROPERTIES OF BULK MATTER**(Marks: 02)**

Mechanical Properties of Solids

Elasticity, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity (qualitative idea only), Poisson's ratio; elastic energy.

Mechanical Properties of Fluids

Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its simple applications. Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.

Thermal Properties of Matter

Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion of water; specific heat capacity; C_p , C_v - calorimetry; change of state - latent heat capacity. Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law.

UNIT 8: THERMODYNAMICS**(Marks: 02)**

Thermal equilibrium and definition of temperature, zeroth law of thermodynamics, heat, work and internal energy. First law of thermodynamics, Second law of thermodynamics: gaseous state of matter, change of condition of gaseous state -isothermal, adiabatic, reversible, irreversible, and cyclic processes.

UNIT 9: BEHAVIOUR OF PERFECT GAS AND KINETIC THEORY**(Marks: 02)**

Kinetic Theory

Equation of state of a perfect gas, work done in compressing a gas. Kinetic theory of gases - assumptions, concept of pressure, Expression for pressure exerted by a gas. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of equipartition of energy

(statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number.

UNIT 10: OSCILLATIONS AND WAVES

(Marks: 02)

Oscillations

Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their applications. Simple harmonic motion (S.H.M) and its equations of motion; phase; oscillations of a loaded spring- restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period.

Waves

Wave motion: Transverse and longitudinal waves, speed of travelling wave, displacement relation for a progressive wave, principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats.

UNIT 11: ELECTROSTATICS

(Marks: 02)

Electric Charges and Fields

Electric charges, Conservation of charge, Coulomb's law-force between two- point charges, forces between multiple charges; superposition principle and continuous charge distribution. Electric field, electric field due to a point charge, electric field lines, electric dipole, electric field due to a dipole, torque on a dipole in uniform electric field. Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside).

Electrostatic Potential and Capacitance

Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, electrical potential energy of a system of two-point charges and of electric dipole in an electrostatic field. Conductors and insulators, free charges and bound charges inside a conductor. Dielectrics and electric polarization, capacitors and capacitance, combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor (no derivation, formulae only).

UNIT 12: CURRENT ELECTRICITY

(Marks: 02)

Electric current, flow of electric charges in a metallic conductor, drift velocity, mobility and their relation with electric current; Ohm's law, V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity, temperature dependence of resistance, Internal resistance of a cell, potential difference and emf of a cell, Kirchhoff's rules, Wheatstone bridge.

UNIT 13: MAGNETIC EFFECTS OF CURRENT AND MAGNETISM

(Marks: 03)

Moving Charges and Magnetism

Concept of magnetic field, Oersted's experiment. Biot - Savart law and its application to current carrying circular loop. Ampere's law and its applications to infinitely long straight wire. Straight solenoid (only qualitative treatment), force on a moving charge in uniform magnetic and electric fields. Force on a current-carrying conductor in a uniform magnetic field, force between two parallel current-carrying conductors-definition of ampere, torque experienced by a current loop in uniform magnetic field; Current loop as a magnetic dipole and its magnetic dipole moment, moving coil galvanometer- its current sensitivity and conversion to ammeter and voltmeter.

Magnetism and Matter

Bar magnet, bar magnet as an equivalent solenoid (qualitative treatment only), magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis (qualitative treatment only), torque on a magnetic dipole (bar magnet) in a uniform magnetic field (qualitative treatment only), magnetic field lines. Magnetic properties of materials- Para-, dia- and ferro - magnetic substances with examples, Magnetization of materials, effect of temperature on magnetic properties.

UNIT 14: ELECTROMAGNETIC INDUCTION AND ALTERNATING CURRENTS (Marks: 02)

Electromagnetic Induction

Electromagnetic induction; Faraday's laws, induced EMF and current; Lenz's Law, Self and mutual induction.

Alternating Current

Alternating currents, peak and RMS value of alternating current/voltage; reactance and impedance; LCR series circuit (phasors only), resonance, power in AC circuits, power factor, wattless current. AC generator, Transformer.

UNIT 15: ELECTROMAGNETIC WAVES (Marks: 02)

Basic idea of displacement current, Electromagnetic waves, their characteristics, their transverse nature (qualitative idea only). Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, X-rays, gamma rays) including elementary facts about their uses.

UNIT 16: OPTICS (Marks: 02)

Ray Optics and Optical Instruments

Ray Optics: Reflection of light, spherical mirrors, mirror formula, refraction of light, total internal reflection and optical fibers, refraction at spherical surfaces, lenses, thin lens formula, lens maker's formula, magnification, power of a lens, combination of thin lenses in contact, refraction of light through a prism. Optical instruments: Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers.

Wave Optics

Wave optics: Wave front and Huygen's principle, reflection and refraction of plane wave at a plane surface using wave fronts. Proof of laws of reflection and refraction using Huygen's principle. Interference, Young's double slit experiment and expression for fringe width (No derivation final expression only), coherent sources and sustained interference of light, diffraction due to a single slit, width of central maxima (qualitative treatment only).

UNIT 17: DUAL NATURE OF MATTER AND RADIATION**(Marks: 02)**

Dual nature of radiation, Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation-particle nature of light. Experimental study of photoelectric effect Matter waves-wave nature of particles, de-Broglie relation.

UNIT 18: ATOMS AND NUCLEI**(Marks: 02)****Atoms**

Alpha-particle scattering experiment; Rutherford's model of atom; Bohr model of hydrogen atom, Expression for radius of nth possible orbit, velocity and energy of electron in nth orbit, hydrogen line spectra (qualitative treatment only).

Nuclei

Composition and size of nucleus, nuclear force Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number; nuclear fission, nuclear fusion.

UNIT 19: ELECTRONIC DEVICES**(Marks: 02)****Semiconductor Electronics**

Materials, Devices and Simple Circuits Energy bands in conductors, semiconductors and insulators (qualitative ideas only) Intrinsic and extrinsic semiconductors- p and n type, p-n junction Semiconductor diode - I-V characteristics in forward and reverse bias, application of junction diode - diode as a rectifier.

Total Marks = 40**CHEMISTRY****UNIT 1: SOME BASIC CONCEPTS OF CHEMISTRY & ATOMIC STRUCTURE****(Marks: 04)**

Laws of Chemical combination (numerical), Dalton's Atomic Theory, Concept of elements, atoms & molecules. Atomic and molecular masses, Mole concept and molar mass, percentage composition, empirical and molecular formula; chemical reactions, stoichiometry and calculation based on stoichiometry.

Structure of Atom: Discovery of electron, proton and neutron, atomic number, isotopes and isobars. Thompson's model and its limitations, Rutherford's model and its limitations. Bohr's model & its limitations, concept of shells and sub-shells. Dual nature of matter and light, de-Broglie's relationship. Heisenberg's uncertainty principle, concept of orbitals, quantum numbers, shapes of s, p and d- orbitals. Rules for filling electrons in orbitals- Aufbau's principle, Pauli's exclusion principle and Hund's rule. Electronic configuration of atoms, stability of half-filled and completely filled orbitals.

UNIT 2: CHEMICAL EQUILIBRIUM**(Marks: 02)**

Equilibrium in physical and chemical processes, dynamic nature of equilibrium, law of mass action, equilibrium constant, factors affecting equilibrium: Le-Chatelier's principle equilibrium-ionization of acids and bases, strong and weak electrolytes, degree of ionization, Concept of pH. Hydrolysis of

salts (elementary idea), buffer solutions. Solubility product, common ion effect (with suitable examples).

UNIT 3: CHEMICAL KINETICS

(Marks: 02)

Rate of reaction (average and instantaneous rate of a reaction), factors affecting rate of reactions: (concentration, temperature, catalyst), rate law, specific rate constant and order, molecularity of a reaction, integrated rate expression of zero and first order reactions and their derivations, half-life period. Concept of collision theory (elementary idea, no mathematical derivation). Activation energy, Arrhenius equation.

UNIT 4: SOLUTIONS

(Marks: 02)

Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, colligative properties: relative lowering of vapor pressure of a solution, Raoult's law, elevation of boiling point, depression in freezing point temperature and osmotic pressure), determination of molecular masses using colligative properties. Abnormal molecular mass, Van't Hoff factor and calculations involving it.

UNIT 5: CHEMICAL THERMODYNAMICS

(Marks: 02)

Concepts of system, types of systems, surrounding, work, heat; energy intensive and extensive properties, state functions. First Law of Thermodynamics, internal energy, enthalpy, heat capacity, specific heat, molar heat capacity, measurement of E and H , Hess's law of constant heat summation, enthalpy of bond dissociation, combustion; formation, atomization, sublimation, phase transition ionization and dilution. Introduction of entropy as a state function, free energy change for spontaneous and non-spontaneous process and equilibrium.

UNIT 6: REDOX REACTIONS AND ELECTROCHEMISTRY

(Marks: 03)

Concept of oxidation and reduction, redox reactions, oxidation number, balancing of chemical equations in redox reactions, applications of redox reactions, conductance in electrolytic solutions, specific conductivity, molar conductivity, variation of conductivity with concentration, Kohlrausch's law and its applications Electrolysis and laws of electrolysis (elementary idea), dry cell-electrolytic cells and galvanic cells; Lead accumulator, emf of a cell, standard electrode potential, Nernst equation and its application to Chemical cells, relation between Gibbs's energy change and emf of a cell, fuel cells, corrosion

UNIT 7: PERIODIC PROPERTIES

(Marks: 02)

Significance of classification, brief history of the development of periodic table. Modern periodic law and the present form of the periodic table, periodic trends in properties of elements: atomic radii, ionic radii, inert gas radii, ionization enthalpy, electron gain enthalpy, electronegativity, valency.

UNIT 8: CHEMICAL BONDING AND MOLECULAR STRUCTURE

(Marks: 02)

Valence electrons, Ionic bond, covalent bond, bond parameters, Lewis structure, polar character of covalent bond, valence bond theory, resonance, geometry of covalent molecules, VSEPR theory, concept of hybridization involving s, p and d-orbitals and shapes of some simple molecules, molecular orbital theory of homonuclear molecules (Qualitative idea only), hydrogen bond.

UNIT 9: CO-ORDINATION CHEMISTRY

(Marks: 02)

Co-ordination compounds: Introduction, ligands, co-ordination number, color, magnetic properties and shapes, IUPAC nomenclature of mononuclear co-ordination compounds. Bonding (Werner's

theory, VBT and CFT), structural and stereoisomerisms, importance of coordination compounds in qualitative inclusion of analysis, extraction of metals and biological systems.

UNIT 10: ORGANIC CHEMISTRY-SOME BASIC PRINCIPLES AND TECHNIQUES (Marks: 02)

General introduction to organic chemistry, methods of purification, qualitative and quantitative analysis, classification and IUPAC nomenclature of organic compounds.

Electronic displacement in a covalent bond: inductive effect, electromeric effect, resonance and hyper-conjugation. Homolytic and heterolytic fission of a covalent bond, free radicals, electrophiles, nucleophiles, carbocations and carbanions. Types of organic reactions.

UNIT 11: d and f-BLOCK ELEMENTS (Marks: 02)

General introduction, electronic configuration, occurrence and characteristics of the transition metals, general trends in properties of first row transition metals (metallic character, IE, electrode potential, oxidation state, ionic radii, catalytic properties, colored ions, complex formation, magnetic properties, interstitial compounds, alloy formation). Preparation and properties of $K_2Cr_2O_7$ and $KMnO_4$ Lanthanides: electronic configuration, oxidation state, chemical reactivity and lanthanide contraction and its consequences. Actinides- electronic configuration, oxidation states and comparison with lanthanoids.

UNIT 12: HYDROCARBONS (Marks: 04)

Classification of hydrocarbons

Alkanes: Nomenclature, isomerism, conformations (ethane only), physical properties. Chemical reactions including free radical mechanism of halogenation, combustion and Pyrolysis

Alkenes: Nomenclature, structure of double bond (ethene), geometrical isomerism, methods of preparation, physical properties, chemical reactions- addition of hydrogen. halogen, water, hydrogen halides (Markownikov's addition and peroxide effect). ozonolysis, oxidation, mechanism of electrophilic addition.

Alkynes: Nomenclature, structure of triple bond (ethyne), physical properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction of hydrogen, halogens, hydrogen halides and water, Aromatic hydrocarbons introduction, IUPAC nomenclature, Benzene resonance, aromaticity, chemical properties, mechanism of electrophilic substitution-nitration, sulphonation, halogenations Friedel Craft's alkylation and acylation, directive influence of functional group in mono substituted benzene.

UNIT 13: HALOALKANES AND HALOARENES (Marks: 02)

Haloalkanes: Nomenclature, nature of C-X bond, physical & chemical properties, mechanism of substitution reactions. Stability of carbocations, R-S and d-1 configurations

Haloarenes: Nature of C-X bond, substitution reactions (directive influence of halogens for mono substituted compounds only), Stability of carbocations, R-S and D-L configurations Uses and environmental effects of-dichloromethane, trichloromethane, tetrachloromethane, iodoform, freon, and DDT

UNIT 14: ALCOHOLS, PHENOLS AND ETHERS (Marks: 02)

Alcohols: Nomenclature, methods of preparation, physical & chemical properties (of primary alcohols only), identification of primary, secondary & tertiary alcohols; mechanism of dehydration of alcohols. Uses, some important compounds - methanol and ethanol.

Phenols: Nomenclature, methods of preparation, physical & chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols.

Ethers: Nomenclature, methods of preparation, physical & chemical properties and uses.

UNIT 15: ALDEHYDES, KETONES AND CARBOXYLIC ACIDS

(Marks: 02)

Aldehydes and Ketones: Nomenclature, nature of carbonyl group, methods of preparation, physical & chemical properties & mechanism of nucleophilic addition reaction to C=O group, reactivity of alpha hydrogen in aldehydes, uses

Carboxylic Acids: Nomenclature, acidic nature, methods of preparation, physical & chemical properties and uses

UNIT 16: ORGANIC COMPOUNDS CONTAINING NITROGEN

(Marks: 02)

Amines: Nomenclature, classification, structure, methods of preparation, physical & chemical properties, uses, identification of primary, secondary & tertiary amines

Cyanides and Isocyanides: Structures of cyanide and isocyanide groups, nomenclature, preparation, physical properties and chemical reactions

Diazonium Salts: Preparation and chemical reactions (mechanism of diazotization), and importance aesthetic organic chemistry

UNIT 17: MOLECULES OF LIFE

(Marks: 03)

Carbohydrates: Classification (aldoses and ketoses), mono saccharides: Glucose, fructose: structure, preparation and chemical reactions, oligosaccharides (sucrose, lactose & maltose) Polysaccharides: (starch cellulose and glycogen); importance.

Proteins: Elementary idea of amino acids: peptide bond, polypeptides and primary, secondary, tertiary and quaternary structure of proteins (Qualitative idea only), denaturation of proteins; enzymes, lipids & hormones, their classification & functions.

Nucleic Acids: DNA and RNA (purines and pyrimidines, nucleosides, nucleotides and fragments up to four nucleotides).

Vitamins: Classification and functions, sources and deficiency diseases.

Total Marks = 40

BIOLOGY

Unit I: Diversity of Life

(Marks: 02)

Biodiversity:

Variety of living organisms; Need and History of classification – Artificial, Natural and Phylogenetic classifications.

Biosystematics: Taxonomy and Systematics; Concept of species and Taxonomical hierarchy; Binomial nomenclature; Herbarium.

Two Kingdom and Five kingdom classifications and their merits and demerits; General characters and classification of Monera, Protista and Fungi; Lichens; Status of Viruses, and Viroids.

Unit II: Kingdom Plantae

(Marks: 02)

Classification of plants into major groups; General characters of Algae, Bryophyta, Pteridophyta and Gymnosperms and their classes.

Morphology of Flowering plants and their function: Morphology of root, stem and leaf (without their modifications); Morphology of Inflorescence, flower, fruit and seed. Description of family Solanaceae.

Unit III: Plant Anatomy

(Marks: 02)

Tissue systems in plants – Epidermal, ground and vascular tissue systems; Anatomy and functions of dicot and monocot root, stem and leaves.

Unit IV: Plant Physiology

(Marks: 04)

Respiration: Cellular respiration; Glycolysis, Krebs's cycle and Electron transport system (along with ATP energetics); Chemiosmotic hypothesis; Aerobic and Anaerobic respirations; Amphibolic pathways; Respiratory quotient.

Photosynthesis: Historical background; Site of Photosynthesis; Photosynthetic pigments; Mechanism of Photosynthesis – Light dependent phase (Light reaction), Photosystems; Cyclic and non-cyclic photophosphorylations; Light independent (biosynthetic) phase – Calvin (C3) cycle and Hatch & Slack (C4) cycle; Factors affecting photosynthesis; Photorespiration.

Plant Growth and Development: Characteristics of plant growth; phases of growth, growth rate, growth curve; conditions of growth; differentiation, dedifferentiation and redifferentiation. Sequence of developmental process in a plant cell; Plant growth regulators; Discovery and physiological effects of Auxins, Gibberellins, Cytokinins, Ethylene and Abscissic Acid.

UNIT V: Diversity in Living World

(Marks: 02)

Animal Kingdom; General characters and classification of animals (non-chordates up to phyla level and chordates up to the level of class).

National Parks with special reference to Dachigam, Kishtwar, Salim Ali, Kazinag and Hemis. Concept of Sanctuaries and Biosphere reserves.

Unit VI: Structural Organisation and Animal Biomolecules

(Marks: 02)

Morphology, Anatomy and functions of digestive, circulatory, respiratory, nervous and reproductive systems of Frog.

Basic chemical constituents of living bodies; Bio-molecules: Structure and function of Carbohydrates, proteins, lipids and Nucleic acids; Primary and secondary metabolites. Enzymes: Types, Properties and functions

Unit VII: Cell Structure and Function

(Marks: 02)

Cell: Brief description of cell; Cell theory; Prokaryotic and Eukaryotic cell, Cell wall, Membrane and Cell organelles (Plastids, Mitochondria, E.R., Golgi, Ribosomes, Lysosomes, Nucleus, Vacuoles, centrioles and Cytoskeleton); Cilia and Flagella; Nuclear organisation.

Cell Division: Cell Cycle, Mitosis and Meiosis.

Unit VIII: Human Physiology

(Marks: 04)

Breathing and Respiration: Respiratory system in humans; mechanism of breathing and its regulation in humans; respiratory volume; Exchange of gases and their transport; Respiratory disorders.

Body fluids and Circulation: Composition of blood; Blood groups and Rh factor; Lymph; Human Circulatory system; Cardiac cycle and ECG; Double circulation; regulation of cardiac activity; Disorders of circulatory system.

Excretory Products and their Elimination: Modes of excretion; Human excretory system; Urine formation, osmo regulation; regulation of kidney function; Urinary disorders; and artificial kidney.

Locomotion and Movement: Types of movement; Muscle, Contractile proteins and Muscle contraction (Mechanism); Skeletal system and its functions; Joints; Disorders of muscular and skeletal systems.

Neural Control and Coordination: Neuron and nerves; Nervous system in humans; Nerve impulse.

Chemical Coordination and Integration: Human endocrine system; Hormones of Heart, Kidney and G.I. Tract; Mechanism of hormone action (elementary idea); Hormonal disorders.

(Note: diseases of human physiology systems to be taught in brief)

Unit IX: Reproduction in Flowering Plants

(Marks: 02)

Sexual Reproduction: Flower structure; Development of male and female gametophytes; Pollination - types, agencies and examples; Out breeding devices; Pollen-Pistil interactions; Double fertilization; Post fertilization events - Development of Endosperm, embryo; Development of seed and formation of fruit; special modes - apomixis, parthenocarpy, polyembryony; Significance of seed and fruit formation.

Unit X: Genetics

(Marks: 02)

Heredity and variation Mendelian inheritance; deviations from Mendelism: Incomplete Dominance; Co-dominance; Multiple alleles and inheritance of blood groups; Pleiotropy; Elementary idea of polygenic inheritance; Chromosomal theory of Inheritance; Chromosomes and genes.

Molecular Basis of Inheritance: Search for genetic material and DNA as genetic material; Structure of DNA and RNA; DNA packaging; DNA replication; Central Dogma; Protein Biosynthesis: Transcription, genetic code, translation; Gene expression and regulation - lac Operon.

Unit XI: Biology and Human Welfare

(Marks: 02)

Tissue Culture: Cellular totipotency, technique and application of tissue culture.

Microbes in Human welfare: Microbes in food processing, industrial production, sewage treatment, energy generation (Biogas) and microbes as bio-control agents, Biopesticides and Bio-fertilizers. Antibiotics; production and judicious use.

Application of Biotechnology in Agriculture: Genetically Modified organisms - BT crops; Biopiracy and patents.

Unit XII: Ecology and Environment

(Marks: 04)

Populations: Population attributes and Population growth; Population interactions -mutualism, competition, predation, parasitism; population attributes - growth, birth rate and death rate, age distribution.

Ecosystems: Patterns, components; productivity and decomposition; energy flow; Ecological pyramids: Pyramids of number, biomass and energy.

Biodiversity and its Conservation: Biodiversity-Concept, patterns, importance; loss of biodiversity; biodiversity conservation; hotspots, endangered organisms, extinction, Red Data Book; Biosphere reserves, National parks, Wildlife Sanctuaries and Ramsar sites.

Unit XIII: Reproduction in Animals

(Marks: 03)

Human Reproduction: Male and Female reproductive systems; Microscopic anatomy of testis and ovary; Gametogenesis (spermatogenesis and oogenesis; menstrual cycle). Fertilisation, embryo development upto blastocyst formation, implantation; Pregnancy and placenta formation. Elementary idea of Parturition and Lactation.

Reproductive Health: Need for reproductive health and prevention of Sexually Transmitted Diseases (STDs); Birth control – need and methods, Contraception and Medical Termination of Pregnancy (MTP); Amniocentesis; Infertility and assisted reproductive technologies - IVF, ZIFT, GIFT (elementary idea for general awareness) .

Unit XIV: Genetics and Evolution

(Marks: 03)

Sex determination – in humans, birds and honey bee; Linkage and Crossing over. Sex linked inheritance: Haemophilia and colour blindness. Mendelian disorders in humans – Thalassemia; Chromosomal disorders in humans: Down's syndrome, Turner's syndrome and Klinefelter's syndrome Genome and Human genome project; DNA fingerprinting.

Evolution: Origin of life; Biological evolution and evidences for biological evolution; Darwin's contribution, Modern synthetic theory of Evolution; Mechanism of evolution - Variation (Mutation

and Recombination) and Natural Selection with examples, types of natural selection; Gene flow and genetic drift; Hardy - Weinberg's principle; adaptive radiation; Human evolution.

UNIT XV: Biology in Human Welfare

(Marks: 02)

Health and Disease: Basic concepts of immunology - vaccines; Pathogens; parasites causing human diseases (Hepatitis, Malaria, Dengue, Filariasis, Ascariasis, Typhoid, Pneumonia, Common cold, Amoebiasis, Ring worm) and their control; Cancer, HIV and AIDS; **Adolescence:** drug and alcohol abuse.

UNIT XVI: Biotechnology and its Applications

(Marks: 02)

Biotechnology: Principles and processes; Genetic Engineering (Recombinant DNA Technology).

Application of biotechnology in health: Human insulin and vaccine production stem cell technology, gene therapy. Transgenic Animals.

Bio-safety issues.

Total Marks = 40

MATHEMATICS

UNIT 1: SETS, RELATIONS AND FUNCTIONS

(Marks: 04)

Sets and their representation, finite and infinite sets, empty set subsets, subset of real numbers especially intervals, universal set. Venn diagram, union and intersection of sets. Difference of sets, Compliment of a set. Ordered pairs, Cartesian product of sets, number of elements in the Cartesian product of two finite sets.

Relations, Domain, co- domain and range of relation, types of relation, reflexive, symmetric, transitive and equivalence relation.

Functions as special kind of relations from one set to another, domain, co-domain and range of a function. Real valued functions of the real variable; constant, identity, polynomial, rational, modulus, signum and the greatest integer functions with their graphs. Sum, difference, product and quotients of functions, one to one function, onto function, inverse trigonometric function with definition, domain, range, graphs.

UNIT 2: COMPLEX NUMBER; LINEAR INEQUATION; LINEAR PROGRAMMING

(Marks: 05)

Complex number: Argand's plane, algebraic properties of complex numbers. Solution of Quadratic equation in the complex number system. Square root of a complex number.

Linear inequation: Linear Inequalities, Algebraic solution of linear inequalities in one variable and their representations on number line.

Linear programming: Introduction , definition of related terminology such as constraints, objective function, optimization, graphical method of solution for problems in two variables, feasible and infeasible regions, feasible and infeasible solutions, optimal feasible solutions.

UNIT 3: SEQUENCE AND SERIES, PERMUTATION AND COMBINATION & BINOMIAL THEOREM

(Marks: 04)

Sequence and series: Arithmetic mean (A.M), nth term, Geometric progression (G.P) , Geometric Mean (G.M), nth term, sum to n-terms and sum to infinity of a G.P. Relation between A.M and G.M.

Permutation and combination: Fundamental principle of counting, factorial n, permutations $P(n,r)$ and combinations $C(n,r)$, simple applications.

Binomial Theorem: Binomial theorem for positive integral. Pascal's triangle and simple applications.

UNIT 4: TRIGONOMETRIC AND INVERSE TRIGONOMETRY FUNCTIONS (Marks: 04)

Positive and negative angles, measuring angles in radians and in degrees, Conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Basic Trigonometric identities $\sin^2 x + \cos^2 x = 1$ for all Sign of x etc. Trigonometric functions and their graphs. Expressions for $\sin(x \pm y)$, $\cos(x \pm y)$, $\tan(x \pm y)$, $\cot(x \pm y)$, sum and product formulae.

Identities related to $\sin 2x$, $\cos 2x$, $\tan 2x$, $\sin 3x$, $\cos 3x$, and $\tan 3x$.

UNIT 5: MATRICES AND DETERMINANTS (Marks: 03)

Matrices, concepts, notation, order, equality, types of matrices, Zero matrix, transpose of matrix, Symmetric and skew symmetric matrices. Addition, multiplication, scalar multiplication of matrices, simple properties of addition, multiplication and scalar multiplication of matrices. Non-commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (order 2×2). Concept of elementary row and column operation, Invertible matrices and uniqueness of inverse, if it exists. (Matrices with real entries).

Determinants of square matrix (upto 3×3 matrices) properties of determinants, minors, cofactors and applications of determinants in finding area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables.

UNIT 6: LIMIT, CONTINUITY AND DIFFERENTIATION (Marks: 06)

Concept of limit of a function. Theorems on Limits, Evaluation of limits using standard results

$$\lim_{x \rightarrow 0} \frac{\sin x}{x}, \lim_{x \rightarrow a} \frac{x^n - a^n}{x - a}, \lim_{x \rightarrow 0} \frac{1}{x}, \lim_{x \rightarrow \infty} \frac{1}{x}, \lim_{x \rightarrow \infty} \left(1 + \frac{1}{x}\right)^x$$
$$\lim_{x \rightarrow 0} (1+x)^{1/x}, \lim_{x \rightarrow 0} \frac{\log(1+x)}{x}, \lim_{x \rightarrow 0} \frac{e^x - 1}{x},$$

Continuity of a function at a point. Continuity of Sum, product and quotient of functions.

Derivative: definition of a derivative of a function, geometrical interpretation of the derivative.

- Derivative of sum, difference, product and quotient of two or more functions.
- Derivative of algebraic and composite functions.
- Derivative of trigonometric and inverse trigonometric functions.
- Chain rule, derivative of implicit functions.
- Derivative of logarithmic and exponential functions.
- Logarithmic differentiation.

➤ Derivative of functions expressed in parametric forms.

Second order derivatives.

Application of Derivative: rate of change, increasing and decreasing functions, maxima and minima (first derivative and second derivative test). Simple problems.

UNIT 7: INTEGRATION AND DIFFERENTIAL EQUATIONS

(Marks: 05)

Integration as inverse process of differentiation. Integration of variety of functions by Substitution, by parts, by partial fractions. Simple integrals of the type:

$$\int \frac{dx}{x^2 \pm a^2}, \int \frac{dx}{\sqrt{x^2 \pm a^2}}, \int \frac{dx}{\sqrt{a^2 - x^2}},$$

$$\int \frac{dx}{ax^2 + bx + c}, \int \frac{dx}{\sqrt{ax^2 + bx + c}}, \int \frac{(px + q)}{ax^2 + bx + c} dx, \int \frac{(px + q)}{\sqrt{ax^2 + bx + c}} dx,$$

$$\int \sqrt{a^2 \pm x^2} . dx, \int \sqrt{x^2 - a^2} . dx,$$

Definite integrals as a Limit of a sum. Fundamental Theorem of calculus. Basic properties of definite integrals Evaluation of definite integrals.

Application of integrals: Application in finding the area under simple curves, especially lines. Areas of circles, parabolas and ellipses (in standard form) .

Differential Equations: Definition, order and degree of a differential equation. General and particular solutions of a differential equation, solution of differentiation equation by method of separation of variables. Solution of Homogeneous differential equation of first order and first degree. Solution of linear differential equation of the type:

$$\frac{dy}{dx} + py = q, \text{ where } p \text{ and } q \text{ are functions of } x \text{ alone and}$$

$$\frac{dx}{dy} + px = q, \text{ where } p \text{ and } q \text{ are functions of } y \text{ alone.}$$

UNIT 8: STRAIGHT LINES AND CONIC SECTIONS

(Marks: 04)

Distance between two points, section, slope of a line, angle between two lines, various forms of equations of lines, point-slope form, intercept form, two point form. Distance of a point from a line. Conic Section: Sections of a cone, circles, parabola, ellipse, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of conic section. Standard equation of a circle, parabola, ellipse, and hyperbola and their simple properties.

UNIT 9: STATISTICS AND PROBABILITY

(Marks: 03)

STATISTICS Measure of dispersion, Range, mean, deviation, variance and standard deviation of ungrouped/ grouped data.

PROBABILITY :Random Experiment: outcome, sample spaces.

Events: Mutually exclusive and exhaustive events. Axiomatic (set theoretic) probability, probability of an event, probability of “Not” and “Or” events. Multiplication theorem on probability, conditional probability, independent events, total probability, Baye’s theorem, random variable and its probability, distribution, mean of a random variable.

UNIT 10: VECTORS AND THREE DIMENSIONAL GEOMETRY

(Marks: 02)

Vectors and scalars, magnitude and direction of a vector Direction Cosines and ratios of a vector. Types of vector, equal, zero, unit, parallel and collinear vectors. Position vector of a

point, negative of a vector, components of a vector, addition of vectors, Scalar multiplication, position vector of a point dividing a line segment in a given ratio. Scalar (dot) product of vectors, Vector (cross) product of vectors.

STRAIGHT LINES AND SPACE Coordinate Axis and Coordinate Planes in three dimension, coordinate of point, distance between two points. Direction cosines and direction ratios of a line joining two points. Cartesian and vector equation of a line and skew-lines, shortest distance between two lines. Angle between two lines.

11. DETERMINATION OF MERIT:

- ❖ Merit list shall be prepared on the basis of aggregate marks obtained in qualifying examination (12th class) by the candidates, **in case entrance examination is not conducted;**
- ❖ If the entrance examination is conducted, the selection of candidates for admission to the programme will depend on their performance in the entrance test and eligibility. The Board shall prepare list in order of inter-se merit of candidates in the CET-2026 entrance test in descending order for the Open Merit Category and similarly for each Reserved Category separately;
- ❖ For the purposes of allotment of seats to the reserved category candidates in Government Pharmacy Colleges, inter-se-merit within each reserved category shall be taken into consideration;
- ❖ In the event of the number of candidates belonging to a reserved category being less than the number of seats available for the category, the resultant vacancies shall be filled from amongst the candidates figuring in the open merit category strictly in order of merit;
- ❖ In case two or more candidates have obtained the same number of marks in the entrance test, the inter-se-merit of such candidates shall be determined by taking into account:
 - Marks obtained in Chemistry component of the Entrance test;
 - Marks obtained in Physics component of the Entrance test; if marks obtained in Chemistry components are equal;
 - Candidate older in age, if marks obtained in Physics and Chemistry are same.
 - For further tie, first Alphabet of candidate's name be considered.
 - **Same analogy shall be applicable to break up tie of marks, in case Entrance Examination shall not be conducted by Board.**

12. DECLARATION OF RESULT:

After the conclusion of Entrance Test, the answer key shall be uploaded on the BOPEE website on the evening of date of conduct of B.Pharm/D.Pharm Common Entrance Examination-2026 or up to 12 noon on next day and shall remain on website for three days so that a candidate finding any discrepancy in the Question Paper and Answer Key can submit representation along with proper proof from standard text book within three working days after the test is over in the BOPEE's office at Srinagar or Jammu accompanied with the payment receipt of **Rs. 1000/-** per representation per paper paid by him or her at the POS terminal at J&K BOPEE office Jammu/Srinagar.

The representations will be consolidated and referred to the experts whose opinion will be final. The revised key, if any, will be uploaded on the BOPEE's website and thereafter no complaint will be entertained. However, re-totalling of marks will be allowed on written request accompanied by the payment receipt of **Rs. 1000/-** paid by him/her at POS terminal at J&K BOPEE Srinagar/Jammu. The application will be accepted within 03 (three) days after the declaration of result. Any application, received after this date shall not be entertained.

The result will be published in two or more local dailies and will be uploaded on the website of the Board www.jkbopee.gov.in. The process of selection will be notified separately.

13. GENERAL AND TECHNICAL INSTRUCTIONS FOR FILLING UP ONLINE PREFERENCE FORM/SELECTION PROCESS:

The detailed Online Counselling/Selection Procedure shall be notified separately in due course of time.

14. PROHIBITION/BAN ON RAGGING:

The Candidates who will get selected must ensure that:

Ragging is totally banned/prohibited in Technical Institutions vide Notification F. No. 37-3/Legal/AICTE/2009 dated 01-07-2009 & by Pharmacy Council of India and anyone found guilty of ragging and /or abetting it, is liable to be punished. Selected candidates have to follow strictly the Guidelines framed by All India Council For Technical Education (AICTE) titled "All India Council For Technical Education (Prevention and Prohibition of Ragging in Technical Institutions/PCI, Universities including Deemed to be Universities imparting Technical education) Regulations, 2009 in pursuance of directions of the Hon'ble Supreme Court in SLP No. 24295 of 2006 dated 16-05-2007 and in civil appeal number 887 of 2009 dated 08-05-2009 ***"to prohibit, prevent and eliminate the scourge of ragging including any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student, or indulging in rowdy or undisciplined activities by any student or students which cause or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student, with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student, in all higher education institutions in the country, and thereby, to provide for the healthy development, physically and psychologically, of all students"***.

Further, vide Notification F. No.-AICTE/AR/Antiragging/2016, ***any act of physical or mental abuse (including bullying and exclusion) targeted at another student (fresher otherwise) on the ground of colour, race, religion, caste, ethnicity, gender (including transgender), sexual orientation, appearance, nationality, regional origins, linguistic***

identity, place of birth, place of residence, or economic background “shall be treated as ragging.

The above said Anti-ragging Regulation is mandatory for all AICTE approved Institutions and Institutions should take necessary steps for its proper implementation as such:

- Constitution of Anti-Ragging Committee and Anti-Ragging Squad.
- Obtain Undertakings at the time of admission and allotment of Hostel accommodation.
- Dedicated cadre of Warden(s) and regular visit to hostel.
- Creating awareness through regular meetings with students.
- Appointing Professional Counsellor(s) for Freshers.
- Erection of Posters/Banners displaying provisions of law, punishments, etc.

The Anti-ragging Regulations are available on AICTE web portal: <https://www.aicte-india.org>. Students in distress due to ragging related incidents can call the national **Anti-ragging Helpline 1800-180-5522** (24X7 toll free) or e-mail the Anti-Ragging Helpline at helpline@antiragging.in or write to the Member Secretary, AICTE, JNU Campus, Nelson Mandela Marg, VasantKunj, New Delhi – 110070. The AICTE have requested every Pharmacy institutions to make it compulsory for each student and every parent to submit an online undertaking every academic year at www.antiragging.in & www.Amanmovement.org. For any other information regarding ragging, students can visit the UGC website i.e. www.ugc.ac.in & www.antiragging.in and contact UGC monitoring agency i.e. AmanSatyaKachroo Trust on following No. 09871170303, 09818400116 (only in case of emergency).

15. INSTITUTIONS WITH COURSES AND TENTATIVE INTAKE CAPACITY: (In case of any change, updated seat matrix shall be uploaded on BOPEE website before start of counselling)

Brief details of the courses offered and tentative intake capacity in various Pharmacy Colleges for the Academic year 2026 are as follows:

College / Stream-wise sanctioned No. of seats are shown against each College herein after.

The Seat Matrix with actual seat details for all the Colleges will be notified at the time of counselling.

B.PHARMACY COURSE

GOVERNMENT / PRIVATE PHARMACY COLLEGES RUNNING IN THE UT OF J&K

<u>S.No.</u>	<u>Name of College/Institution</u>	<u>Intake</u>	<u>Status</u>
1.	DEPARTMENT OF PHARMACY, UNIVERSITY OF KASHMIR	36(Govt. = 33 SF=03)	Govt.

2.	PRABH HARJI LAI COLLEGE OF PHARMACY, KOT BHALWAL JAMMU	60	Pvt.
3.	S.V.S COLLEGE OF PHARMACY, SUNDERBANI	60	Pvt.
4.	J.S.S. COLLEGE OF PHARMACY, DISTT. SAMBA	60	Pvt.
5.	DRD COLLEGE OF PHARMACY KATHUA	100	Pvt.
6.	STEPHEN COLLEGE OF PHARMACY, MIRAN SAHIB, JAMMU	60	Pvt.

D-PHARMACY COURSES

GOVERNMENT / PRIVATE PHARMACY COLLEGES RUNNING IN THE UT OF J&K

<u>S. No.</u>	<u>Name of College/Institution</u>	<u>Intake</u>	<u>Status</u>
1	Prabah Harji Lal College of Pharmacy and Paramedical Sciences, Chak Bhalwal, Jammu	60	PVT.
2	JSS College of Pharmacy, Khasra 34, Najwal, 17th Mile, Najwal, Samba	60	PVT.
3	S Sidharatha Paramedical Training Institute Channi Himat Jammu	60	PVT.
4	Shri Sain Charitable Trust Ban Talab Jammu	60	PVT.
5	Stephen Institute of Paramedical Sciences Miransahib Jammu	60	PVT.
6	Rajiv Gandhi Institute of Pharmacy, Narwal Bye Pass Road, Jammu	60	PVT.
7	Shri Nanak Medical Institute of Health Science, Bishnah	60	PVT.
8	Aakash Institute of Paramedical Sciences Gari Udhanmpur	60	PVT.
9	SET Paramedical & Nursing Institute, NH-1A Oazak Oira Bijbehara, Anantnag, Kashmir	60	PVT.
10	Gupta Institute of Paramedical & Health Sciences Kathua	60	PVT.
11	SVS Paramedical College Shiv Kashi Sunderbani Rajouri	60	PVT.

12	DRD College of D-Pharmacy & B. Pharmacy, Lane No. 01, Rajbagh, Kathua	60	PVT.
13	RM College of Pharmacy, Lane No. 1, Rajgagh Dhaloti Road, Rakh Hushari, Kathua	60	PVT.
14	Sushant College of Pharmacy, Lane No. 1, badala jakhbar Road, Jakhbar, Kathua	60	PVT.
15	Maha Laxmi College of Pharmacy, Lane No. 3 Rajbagh, Kathua	60	PVT.
16	Maraz Paramedical Training Institute Bijbehara	60	PVT.
17	Hyatt Institute of Farma. Education & Research Lethpra, Pulwama, Kashmir	60	PVT.
18	Green Valley College of Pharmacy Tahab Road, Pulwama, Kashmir	60	PVT.
19	Institute of Public Health & Hygiene College of Nursing & Allied Health Sciences kangar Morh, Kot Bhalwal, Jammu	60	PVT.
20	Jammu college of Nursing, Channi Himmat, Jammu	60	PVT.
21	Kawa College of Paramedical Sciences, Patoli Jammu	60	PVT.
22	Poonch College of Pharmacy Surnkote	60	PVT.
23	Swami Vivekanand Institute of Nursing Channi Rama, Jammu	60	PVT.
24	UEG College of Paramedical Sciences, Jammu	60	PVT.
25	Al Saboor Paramedical Institute, Kulgam Kashmir	60	PVT.
26	ALIF Educational Institute, Mattan	60	PVT
27	Green Valley College of Pharmacy, Palapora, Kashmir	60	PVT.
28	Kashmir College of Pharmacy, Anantnag, Kashmir	60	PVT.
29	Legends College of Nursing & Paramedical Sciences, Kargama, Handwara, Kupwara	60	PVT.
30	Lords Institute of Medical Sciences College of Pharmacy, Harnag Anantnag	60	PVT.

31	Maraz College of Pharmacy, Umerabad, Srinagar	60	PVT.
32	Kashmir Institute of Medical Sciences and Technology, Lawaypora, Srinagar	60	PVT.

ANNEXURE-I**COMPETENT AUTHORITIES FOR ISSUANCE OF RESERVED CATEGORY CERTIFICATES**

S. No.	Categories	Competent Authorities to issue certificates
1	Scheduled Caste (SC)	Revenue Officer not below the rank of Tehsildar
2	Scheduled Tribes	
	i. Scheduled Tribe-I as per SO 176 Dated 15-03-2024	
	ii. Scheduled Tribe, Leh District (STL)	
	iii. Scheduled Tribe, Kargil District (STK)	
	iv. Scheduled Tribes-II as per SO 176 Dated 15-03-2024	
3	Socially and Educationally Backward Classes	
	i. Other Backward Classes (OBC) {Certificate as per J&K UT Format}	
	ii. Residents of Backward Area (RBA)	
	iii. Residents of Area Adjoining Actual Line of Control (ALC) / International Border (IB)	
4	Economically Weaker Section (EWS) {Certificate as per J&K UT Format}	Commanding Officer of the concerned Unit ZilaSainik Board
4	Children of Defence Personnel Ex-servicemen. (CDP) (Navy, Army and Air force only)	
5	Candidates possessing outstanding proficiency in Sports (SP)	Secretary, J&K Sports Council (to be issued before the Date mentioned by JK Sports Council)
6	Children of Permanent Residents of Paramilitary Forces and State Police Personnel serving in the State (JKPM)	DIG Concerned
7	Tuition Fee Waiver Certificate	Revenue Officer not below the rank of Tehsildar

ANNEXURE-II

SAMPLE OF OMR ANSWER SHEET

INSTRUCTIONS: CANDIDATE TO PLEASE FOLD AT PERFORATION AND THEN TEAR AFTER EXAMINATION IS OVER.
SEPARATE ORIGINAL COPY AND CANDIDATE'S COPY OF OMR ANSWER SHEET AND HAND OVER ORIGINAL ANSWER SHEET TO THE INVIGILATOR.

ANSWER SHEET – 2019

ORIGINAL COPY

ANSWER SHEET NO. 66200091

ROLL NO. 1
CANDIDATE'S NAME 2
FATHER'S NAME 3
CATEGORY 4
DATE OF BIRTH 5
VENUE CODE 6
VENUE NAME 7

P
H
O
T
O
G
R
A
P
H

INSTRUCTIONS

- Do not fold, tear, wrinkle or staple this sheet.
- Use only Blue or Black Ball Point Pen to fill this Answer Sheet.
- Darken only one circle for each question as shown in the example below. Marking should be dark and the circle is to be filled in completely as shown in the example below.
Wrong Wrong Wrong Wrong Wrong Wrong Correct

- Do not put any stray or faint mark in or outside the oval. That will be treated as double shading which will make answer invalid.
- Rough work must not be done on this Answer Sheet. Use rough sheets provided at the end of the Question Booklet for rough work.
- Mark your answer only in the appropriate circle against the corresponding number to the question you are answering.
- Mark your Question Booklet Number and Question Booklet Series correctly.
- There is negative marking. 0.25 marks will be deducted for every wrong answer.
- Do not use fluid pens, erasers or blades.
- In case you do not follow the above instructions, your Answer Sheet is likely to be rejected whenever detected.

ROLL NUMBER
[Grid for Roll Number]

QUESTION BOOKLET NUMBER
[Grid for Question Booklet Number]

QUESTION BOOKLET SERIES
[Grid for Question Booklet Series]

Write below in your running handwriting in English the following certification statement:
I certify that I am the person whose Roll Number and Photograph appear on this sheet. The Question Booklet No. and Booklet Series have been correctly filled by me. I have filled the Answer Sheet myself, signed and put my thumb impression.

SIGNATURE OF THE CANDIDATE

SIGNATURE OF THE INVIGILATOR

LEFT HAND THUMB IMPRESSION OF THE CANDIDATE

SIGNATURE OF THE SUPERINTENDENT

The candidates must ensure, before handing over their OMR Answer Sheet to the concerned invigilator, that the entries made by them for Roll No., Question Booklet No. and Question Booklet Series are correct. In case of any mistake committed by them while making these entries, they are free to make representation within three days after the conclusion of the last meeting of the Entrance Test, failing which no complaint shall be entertained afterwards.

NUMBER OF QUESTIONS ATTEMPTED: [Grid for Number of Questions Attempted]

ANNEXURE-III

SAMPLE OF COUNSELLING FORM TO BE USED IN PHYSICAL ROUND-2026

Counselling Date: 4th July 2014

S. No. «SNO»

THE J&K BOARD OF PROFESSIONAL ENTRANCE EXAMINATIONS
DISCIPLINE/INSTITUTION PREFERENCE FORMAT FOR DIPLOMA POLYTECHNIC COUNSELLING-2014
Notification No.: 00 – BOPEE of 2014 Dated: 00-00-2014

Roll No. Name
Category Marks Rank
Telephone/Cell No.

OPTIONS/PREFERENCE FORMAT FOR ALLOTMENT

S. No.	Name of the Discipline & Institute where you desire allotment (In order of preference)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
00	Civil Engineering in KGP Srinagar (Sample Preference)

Signature of the Candidate:

I accept discipline in Institution _____ indicated by me at the preference No. _____ in my option form. The discipline and institution preference has been exercised by me during the counselling on the basis of my rank secured by me in Entrance Test-2012 and availability of seat at my turn.

Signature of the Candidate:

Admission approved in Discipline/institution: _____

Approved
Chairman. BOPEE

Note: This is indicative and subject to such modification as may be found necessary by the Board for purpose of transparency, like the time of participation/allotment of seat etc.

ANNEXURE -IV

CERTIFICATE OF BEING A MEMBER OF CHILD OF DEFENCE PERSONNEL S.O-277 DATED 13-08-2021 ELIGIBILITY CERTIFICATE

1. This is to certify that Mr./Miss/Mrsis the son/daughter/widow/wife/of No..... Rank..... Name.....
2. His /Her date of birth as recorded in the service document and Matriculation certificate is
3. The above named individual:
 - Priority –I : Widows/wards of Defence Personnel killed in action.
 - Priority –II : Wards of disabled in action and boarded out from service.
 - Priority –III : Widows /wards of Defence personnel who died while in service with death attributable to military service.
 - Priority –IV : Wards of disabled in service and boarded out with disability attributed to military service.
 - Priority –V : Wards of Ex-Servicemen and serving personnel who are in receipt of Gallantry Awards.
 - Priority –VI : Wards of Ex-Servicemen.
 - Priority –VII : Wards of:
 - (i) Defence personnel disabled in action and boarded out from service.
 - (ii) Defence personnel disabled in service and boarded out with disability attributable to military service.
 - (iii) Ex-servicemen and serving personnel who are receipt of Gallantry Award.
 - Priority –VIII : Wards of serving Personnel.
 - Priority –IX : Wives of serving Personnel.
4.son/daughter/wife/widow of No..... RankName..... is eligible for Nomination as a Govt. of India nominee under Ministry of Defence quota for admission in Medical/Dental Colleges in Priority:.....

**Attested
passport size
photograph**

No.

Dated: -
Stamp

CO/OC Unit/ZSB/RSB

COUNTERSIGNED

Dated
Stamp

O/C Record

Competent Authority

With Name and Seal

ANNEXURE–V

OFFICE OF THE DEPUTY INSPECTOR GENERAL OF POLICE

CERTIFICATE OF BEING A CHILD OF PARAMILITARY FORCE/POLICE PERSONNEL(In-service)

This is to certify that Mr./ Miss/Mrs. -----is a son/ daughter of-----who is a domicile of J&K and is serving as -----in Para-military Force/Police Force in the UT of J&K, Mr./Mrs.-----is not rendering Pharmacy service or other service of civil nature which would disentitle his/her son/daughter from claiming the benefit of being child of Para-military Force/Police Personnel.

It is also certified that son/Daughter of Mr.----- is entitled to get Certificate of being a child of Paramilitary Force/Police Personnel as provided in Rule 2 (ix) of the Jammu and Kashmir Reservation Rules, 2005.

Name, Signature and Office Stamp

DIG Concerned

Space for
photograph of
the candidate to
be duly attested

ANNEXURE–VI

OFFICE OF THE DEPUTY INSPECTOR GENERAL OF POLICE

CERTIFICATE OF BEING A CHILD OF PARAMILITARY FORCE/POLICE PERSONNEL **(Retired)**

This is to certify that Mr./ Miss/Mrs. -----is a son/ daughter of-----who is a domicile of J&K and has died while serving or has served in Para-military Force/Police Force in the UT of J&K and had been honourably discharged or retired. Mr./Mrs.-----was not rendering Pharmacy service or other service of civil nature which would disentitle his/her son/daughter from claiming the benefit of being child of Para-military Force/Police Personnel.

It is also certified that son/Daughter of Mr.----- is entitled to get Certificate of being a child of Paramilitary Force/Police Personnel as provided in Rule 2 (ix) of the Jammu and Kashmir Reservation Rules, 2005.

Name, Signature and Office Stamp

DIG Concerned

Space for
photograph of
the candidate to
be duly attested

ANNEXURE – VII

Office of the Tehsildar_____

Income Tuition Fee Waiver (TFW) Certificate

It is certified that the Annual income from all sources of
Mr./Mrs._____ Father of _____

R/o:_____ Tehsil:_____ District:_____
_____ based on the inquiry conducted by this office does not exceed to
_____.

No. _____

Date:- _____

Tehsildar

ANNEXURE – VIII

Proforma for EWS certificate vide SRO-518 of 2019 dated 02-09-2019

Government of Jammu & Kashmir

(Name & Address of the authority issuing the certificate)

INCOME & ASSET CERTIFICATE TO BE PRODUCED BY ECONOMICALLY WEAKER SECTIONS

Certificate No. _____ Date: _____

VALID FOR THE YEAR _____

1. This is to certify that Shri/Smt./Kumari son/daughter/wife of _____
Permanent resident, Village/Street Post Office _____ District _____

In the State/Union Territory _____ Pin Code _____ whose photograph
in attested below belongs to Economically Weaker Sections, since the gross annual income* of
his/her **“family”***** is below Rs. 8 lakh (Rupees Eight Lakh only) for the financial year _____. His/her
family does not own or possess any of the following assets***:

- I. 5 acres of agricultural land and above;
- II. Residential flat of 1000 sq. ft. and above;
- III. Residential plot of 100 sq. yards and above in notified municipalities;
- IV. Residential plot of 200 sq. yards and above in areas other than the notified municipalities.

2. It is certified that Shri/Smt./Kumari does not belong to any of the categories defined in the
clause (m), (n) and (o) of section-2 of Jammu and Kashmir Reservation Act 2004.

Recent
Passport size
attested
photograph of
the applicant

Signature with seal of Officer _____

Name _____

Designation _____

* **Note1:** Income covered all sources i.e. salary, agricultural, business, profession, etc.

** **Note2:** The term **“Family”** for this purpose include the person, who seeks benefit of
reservation, his/her parents are siblings below the age of 18 years as also his/her spouse and
children below the age of 18 years.

*** **Note3:** The property held by a **“Family”** in different locations or different places/cities have
been clubbed while applying the land or property holding test to determine EWS status.

THE JAMMU AND KASHMIR
BOARD OF PROFESSIONAL ENTRANCE EXAMINATIONS



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	Website	•http://www.jkbopee.gov.in
	E - MAIL	•helpdeskjakbopee@gmail.com •coejakbopee@gmail.com
	Help Desk	•+91 194 - 2433590 •+91 191 - 2479157